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Composts and Composting of Organic Wastes

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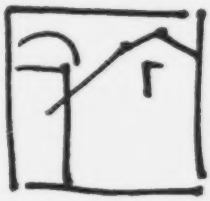

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COMPOSTS AND COMPOSTING OF ORGANIC WASTES

SEARCH STRATEGY

Command

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SS COMPOST? NOT COMPOSTION
SS S3 AND (WASTE? OR RESIDUE? OR REFUSE)
SS GARDEN? OR LAWN OR CLIPPINGS OR LEAF OR LEAVES OR WEED? OR MANURE?
CS3*S15
CS16+S7
SS KITCHEN OR SCRAPS OR GARBAGE OR VEGETABLE? OR BARK OR HUMUS OR
HUMIC
C S3*S25
CS26+S17
S S27 NOT (INDUSTRIAL OR CITY OR CITIES OR TOWN? OR MUNICIPAL OR URBAN
OR SEWAGE OR SLUDGE?)
S S28 OR VERMICOMPOST?
L29/ENG
S S30 AND UD=8501:9999
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Composts and Composting of Organic Wastes

1 NAL Call No: 107.6 J273J
Aerobic windrow composting of mixed dairy manure with rice straw.
Hong, J.H.; Matsuda, J.; Ikeuchi, Y.
Sapporo : The Faculty; 1984 Nov.
Journal of the Faculty of Agriculture, Hokkaido University; Hokkaido Daigaku Nogaku-bu kiyo v. 62 (1): p. 61-73; 1984 Nov. Includes 11 references.

Language: English

Descriptors: Japan; Composting; Rice straw; Cattle manure; Aerobic treatment; Windrowing; Waste utilization

2 NAL Call No: FICHE S-72
Air flow resistance in chopped composted straw bedding.
Taraba, J.L.; Turner, G.; Shearer, S.A.; White, G.T.
St. Joseph, Mich. : The Society; 1987.
American Society of Agricultural Engineers (Microfiche collection) (fiche no. 87-6048): 9 p.; 1987.
Paper presented at the 1987 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. Includes references.

Language: English

Descriptors: Horse manure; Bedding; Composition; Straw; Drying; Air flow; Resistance; Moisture content; Bulk density

3 NAL Call No: 57.8 C734
Ammonia troubles at egg factories.
Logsdon, G.
Emmaus, Pa. : J.G. Press; 1989 Feb.
BioCycle v. 30 (2): p. 62-63. ill; 1989 Feb.

Language: English

Descriptors: Poultry manure; Ammonia; Composting; Nitrogen retention; Amendments

4 NAL Call No: TD930.A32
Analytical characterization of humic substances from composted lignocellulosic residues.
Roletto, E.; Ottino, P.
London : Elsevier Applied Science Publishers; 1984.
Agricultural wastes v. 11 (3): p. 181-195; 1984. Includes references.

Language: English

Descriptors: Humic compounds; Composts; Lignocellulose; Bark

5 NAL Call No: 57.8 C734
Apple pomace can be productive.
Kamp, M. van de
Emmaus, Pa. : J.G. Press; 1986 Mar.
BioCycle v. 27 (3): p. 39; 1986 Mar.

Language: English

Descriptors: Massachusetts; Apple pomace; Composting; Waste disposal

6 NAL Call No: S544.3.N5F7
Backyard leaf composting.
Flower, F.; Strom, P.
New Brunswick, N.J. : The Service; 1985.
FS - Cooperative Extension Service, Cook College (074): 6 p.; 1985.

Language: English

Descriptors: New Jersey; Leaves; Domestic gardens; Composting

7 NAL Call No: QH545.A1E29
Bioaccumulation of Hg in the mushroom Pleurotus ostreatus.
Bressa, G.; Cima, L.; Costa, P.
Duluth, Minn. : Academic Press; 1988 Oct.
Ecotoxicology and environmental safety v. 16 (2): p. 85-89. ill; 1988 Oct. Includes references.

Language: English

Descriptors: Pleurotus ostreatus; Mercury; Uptake; Heavy metals; Toxicity; Composts; Health hazards; Agricultural wastes

8 NAL Call No: SB353.P42
Biochemical and mycological aspects of mushroom composting.
Schisler, L.C.
University Park, PA : Pennsylvania State University, College of Agriculture; 1982.
Penn State handbook for commercial mushroom growers : a compendium of scientific and technical information useful to mushroom farmers / science editor, Paul J. Wuest ; production editor, Glenn D. Bengtson. p. 3-10. ill; 1982.

Language: English

Descriptors: Mushroom compost; Composting; Techniques; Chemical composition; Biochemistry;

Microorganisms; Ingredients; Lignin; Humus; Mushrooms; Nutrient requirements; Indicator plants; Fungi

9 NAL Call No: SB353.I57 1981
Biochemical studies of cotton waste compost during the cultivation of Volvariella volvacea.
Kwan, H.S.; Chang, S.T.
Sydney : [s.n.]; 1981.
Proceedings of the Eleventh International Scientific Congress on the Cultivation of Edible Fungi, Australia, 1981 / edited by N.G. Nair, A.D. Clift. v. 2 p. 585-594; 1981. Includes references.

Language: English (Summary in French; German)

Descriptors: Volvariella volvacea; Cultivation methods; Composts; Cotton waste; Biochemistry; Analysis

10 NAL Call No: 57.8 C734
Biodegradable bags for yard waste.
Hanlon, G.; Brandt, G.
Emmaus, Pa. : J.G. Press; 1988 Sep.
BioCycle v. 29 (8): p. 34, 36-37. ill; 1988 Sep.

Language: English

Descriptors: Nebraska; Maize starch; Biodegradable plastics; Bags; Waste disposal; Yards; Composting

11 NAL Call No: 57.8 C734
Biological treatment of organic toxic wastes.
Savage, G.M.; Diaz, L.F.; Golueke, C.G.
Emmaus, Pa. : J.G. Press; 1985 Oct.
BioCycle v. 26 (7): p. 30-33; 1985 Oct. Includes 19 references.

Language: English

Descriptors: Wastes; Toxicity; Biological techniques; Composting; Recycling

12 NAL Call No: 56.9 SO3
Boron sorption on composted organic matter.
Yermiyaho, U.; Keren, R.; Chen, Y.
Madison, Wis. : The Society; 1988 Sep.
Soil Science Society of America journal v. 52 (5): p. 1309-1313; 1988 Sep. Includes references.

Language: English

Descriptors: Organic matter in soil; Composts; Boron; Sorption; Soil pH; Soil solution; Equilibrium

Abstract: Boron (B) sorption on composted organic matter at various pH levels and ionic strengths was determined. The compost contained 158 g kg-1 of humic acid and 56 g kg-1 of fulvic acid fractions, totaling 21.4% of the organic mailer. At pH 8, the amount of sorbed B increased by about 57% with an ionic strength increase from 0 to 0.15 M. For solutions of CaCl2 at concentrations lower than 5 X 10-3 M, the effect of CaCl2 on B sorption was negligible. Sorption isotherms of B on organic matter were determined at pH levels of 7.0, 7.9, and 8.9. The sorption increased with increasing B concentration in solution and pH. A comparison with literature data for clays shows that sorption of B on organic matter at similar pH levels and total B concentration is significantly higher than on clays. A modified Langmuir equation was fitted to the measured data. Based on the isotherms, sorption coefficients were derived and used to calculate the predicted dependence on pH of B sorption on organic matter at various total B levels. Desorption studies of B from organic matter at pH B and increasing levels of sorbed B exhibited strong hysteresis effects and the sorbed B was removed to a partial extent only. The formation of dihydroxy and/or hydroxy-carboxy binding of borate to humic substances and/or carbohydrates is proposed to be the sorption mechanism. These bonds may explain the limited irreversibility of the process.

13 NAL Call No: 57.8 C734
A business-like approach to leaf composting.
Logsdon, G.
Emmaus, Pa. : J.G. Press; 1989 Mar.
BioCycle v. 30 (3): p. 22-24. ill; 1989 Mar.

Language: English

Descriptors: Ohio; Leaves; Composting; Windrowing; Waste utilization; Program development; Marketing techniques; Composts; Profitability

14 NAL Call No: S522.U5H37
By the light of the moon.
Dunphy, P.
Charlotte, Vt. : Camden House Publishing; 1989 Jul.
Harrowsmith v. 4 (22): p. 70-77. ill; 1989 Jul.

Language: English

Descriptors: Alternative farming; Organic farming; Composting; Philosophy

15 NAL Call No: QH84.8.B46
Capacity of various organic residues to support

adequate earthworm biomass for vermicomposting.
Haimi, J.; Huhta, V.
Berlin : Springer International; 1986.
Biology and fertility of soils v. 2 (1): p. 23-27; 1986. Includes references.

Language: English

Descriptors: Finland; Waste disposal; Wastes; Residues; Pine bark; Biomass; Composting; Oligochaeta; Sewage sludge; Worm casts

16 NAL Call No: TD930.A32
Changes in properties of a fresh refuse compost in relation to root growth of Brassica chinensis.
Wong, M.H.; Chu, L.M.
London : Elsevier Applied Science Publishers; 1985.
Agricultural wastes v. 14 (2): p. 115-125; 1985. Includes references.

Language: English

Descriptors: Brassica chinensis; Refuse compost; Roots; Growth; Seed germination; Stabilizing; Phytotoxicity; Physico-chemical properties

17 NAL Call No: TD930.A32
Changes in some physical and chemical properties of fibrous solids from cow manure and digested cow manure during composting.
Raviv, M.; Tarre, S.; Geler, Z.; Shelef, G.
London : Elsevier Applied Science Publishers; 1987.
Biological wastes v. 19 (4): p. 309-318; 1987. Includes references.

Language: English

Descriptors: Cattle manure; Composting; Particle size distribution; Bulk density; Lycopersicon esculentum; Electrical conductivity; Cation exchange capacity; Carbon; Nitrogen; Nitrification

18 NAL Call No: SB353.I57 1981
Changes of the humus-like material during composting.
Maggioni, A.
Sydney : [s.n.]; 1981.
Proceedings of the Eleventh International Scientific Congress on the Cultivation of Edible Fungi, Australia, 1981 / edited by N.G. Nair, A.D. Clift. v. 2 p. 47-62; 1981. Includes references.

Language: English (Summary in French; German)

Descriptors: Mushroom compost; Chemical composition; Humus forms

19 NAL Call No: 448.3 AP5
Characterization of bacteria that suppress Rhizoctonia damping-off in bark compost media by analysis of fatty acid biomarkers.
Tunlid, A.; Hoitink, H.A.J.; Low, C.; White, D.C.
Washington, D.C. : American Society for Microbiology; 1989 Jun.
Applied and environmental microbiology v. 55 (6): p. 1368-1374; 1989 Jun. Includes references.

Language: English

Descriptors: Cucumis sativus; Rhizoctonia; Bark; Composts; Roots; Flavobacterium; Biological control organisms; Fatty acids; Suppression; Seed treatment

Abstract: Examination of cucumber roots (Cucumis sativus L.) grown in bark compost media and of the surrounding edaphic substrate showed profiles of polar lipid fatty acids commonly found in bacteria. The composition of fatty acids in these profiles differed significantly between roots grown in a medium naturally suppressive to Rhizoctonia damping-off and roots from a conductive medium. Cucumber roots from the suppressive medium had higher proportions of cis-vaccenic acid (18:1omega7cis) and the iso-branched monoenoic fatty acid i17:1omega8 but lower proportions of several is- and anteiso-branched fatty acids compared with roots from the conductive medium. The concentrations of the bacterial fatty acids were significantly lower in the surrounding media. However, the suppressive and conducive growth substrates had differences in the composition of the bacterial fatty acids similar to those found between the cucumber roots proper. These results suggest major differences in bacterial community composition between suppressive and conducive systems. Fatty acid analyses were also utilized to examine the effects on bacterial community composition of root colonization by Flavobacterium balustinum 299, a biocontrol agent. The concentration of the most prominent fatty acid in this bacterium, i17:1omega8, was increased on roots produced from inoculated seeds in a medium rendered suppressive by the treatment. This change was concomitant with a significant increase in the concentration of 18:1omega7cis, not present in the lipids of the antagonist, indicating a shift in the microflora from a conducive to a suppressive bacterial community.

20 NAL Call No: TD930.A32
Chemical and infra-red spectroscopic study of humic and fulvic acids from composted poplar bark.
Roletto, E.; Luda, M.P.
London : Elsevier Applied Science Publishers; 1987.
Biological wastes v. 19 (3): p. 205-214; 1987. Includes references.

Language: English

Descriptors: Bark composts; Poplars; Humic acids; Fulvic acids; Infrared spectroscopy; Physico-chemical properties; Composting

21 NAL Call No: TD930.A32
Chemical and physical parameters in recycling organic wastes for mushroom production.
Levanon, D.; Danai, O.; Masaphy, S.
London : Elsevier Applied Science Publishers; 1988.
Biological wastes v. 26 (4): p. 341-348; 1988. Includes references.

Language: English

Descriptors: Israel; Mushrooms; Wheat straw; Poultry manure; Agricultural wastes; Waste utilization; Composts; Organic fertilizers; Recycling; Physico-chemical properties; Substrates

22 NAL Call No: QH84.8.B46
Chemical changes during vermicomposting (Eisenia fetida) of sheep manure mixed with cotton industrial wastes.
Albanell, E.; Plaixats, J.; Cabrero, T.
Berlin : Springer International; 1988.
Biology and fertility of soils v. 6 (3): p. 266-269; 1988. Includes references.

Language: English

Descriptors: Sheep manure; Cotton waste; Composting; Oligochaeta; Soil fauna

23 NAL Call No: SF597.E3E2
Chemical characterization and nitrogen mineralization potentials of vermicomposts derived from differing organic wastes.
Buchanan, M.A.; Russell, G.; Block, S.D.
The Hague : SPB Academic Publishing; 1988.
Earthworms in waste and environmental management / edited by Clive A. Edwards and Edward F. Neuhauser. p. 231-239; 1988. Includes references.

Language: English

Descriptors: California; Oligochaeta; Composts; Municipal refuse disposal; Manures; Tannery sludge; Households; Worm casts; Physico-chemical properties

24 NAL Call No: 57.8 C734
Chemical parameters for evaluating compost maturity.
Roletto, E.; Barberis, R.; Consiglio, M.; Jodice, R.
Emmaus, Pa. : J.G. Press; 1985 Mar.
BioCycle v. 26 (2): p. 46-47; 1985 Mar. Includes 7 references.

Language: English

Descriptors: Maturity; Composts; Composting; Humic compounds

25 NAL Call No: TD172.J61
Chemical residues during screening, composting, and soil incorporation of cotton gin waste.
Winterlin, W.L.; McChesney, M.M.; Schoen, S.R.; Seiber, J.N.
New York, N.Y. : Marcel Dekker; 1986.
Journal of environmental science and health. Part B. Pesticides, food contaminants, and agricultural wastes v. 21 (6): p. 507-528; 1986. Includes references.

Language: English

Descriptors: Pesticide residues; Defoliants; Screening; Composting; Soils; Cotton gin trash

26 NAL Call No: QH84.8.I57 1985
The clay and compost effects on some characteristics of organic substances in the soil.
Novakova, J.
Budapest : Akademiai Kiado; 1987.
Proceedings of the 9th International Symposium on Soil Biology and Conservation of the Biosphere / edited by J. Szegi. p. 541-546; 1987. Includes references.

Language: English

Descriptors: Czechoslovakia; Organic matter in soil; Bentonite; Clay; Composts; Fulvic acids; Humic acids; Microorganisms; Respiration; Soil bacteria; Soil biology; Sandy soils

27 NAL Call No: 57.8 C734
Clean compost production.
Richard, T.
Emmaus, Pa. : J.G. Press; 1990 Feb.
BioCycle v. 31 (2): p. 46-47. ill; 1990 Feb.

Language: English

Descriptors: Composting; Recycling; Solid waste; Composts; Contaminants; Quality

28 NAL Call No: 57.8 C734
Co-composting and source separation in Denmark.
Hansen, T.; Hirsbak, S.
Emmaus, Pa. : J.G. Press; 1987 Jul.
BioCycle v. 28 (6): p. 60-61; 1987 Jul.

Language: English

Descriptors: Denmark; Composting; Composts; Projects; Waste disposal; Separation; Recycling; Citizen participation

29 NAL Call No: 80 AC82
Commercial production of (vermi)compost using Lumbricidae under controlled climatic conditions.
Brebels, L.; Beeke, A.
Wageningen : International Society for Horticultural Science; 1985 Jun.
Acta horticulturae (172): p. 251. ill; 1985 Jun. Presented at the International Symposium on the use of Composts as Horticultural Substrates, Ghent/Melle, Belgium, August 27-31, 1984.

Language: English

Descriptors: Belgium; Composting; Oligochaeta; Waste utilization; Quality controls

30 NAL Call No: TD930.A32
A comparison between the process of composting and humification of organic matter in affecting the availability of iron and manganese in alluvial and calcareous soils.
Omran, M.S.; El-Shinnawi, M.M.; Saleh, S.M.
London : Elsevier Applied Science Publishers; 1984.
Agricultural wastes v. 11 (4): p. 285-291. ill; 1984. Includes references.

Language: English

Descriptors: Composting; Humic compounds; Iron; Manganese; Alluvial soils; Calcareous soils

31 NAL Call No: 56.8 P343
Comparison of composts produced from identical wastes by "vermistabilization" and conventional composting.
Haimi, J.; Huhta, V.
Jena, E. Ger. : Gustav Fischer; 1987.
Pedobiologia v. 30 (2): p. 137-144; 1987. Includes references.

Language: English

Descriptors: Agricultural wastes; Composts; Composting; Oligochaeta; Environmental temperature

32 NAL Call No: 10 EX72
A comparison of the use of Azolla and blue-green algal bio-fertilizers with green manuring, organic manuring and urea in transplanted and direct-seeded rice.
Singh, A.L.; Singh, P.K.
Cambridge : Cambridge University Press; 1989 Oct.
Experimental agriculture v. 25 (4): p. 485-491; 1989 Oct. Includes references.

Language: English (Summary in Spanish)

Descriptors: Orissa; Oryza sativa; Soil inoculation; Azolla; Cyanobacteria; Green manures; Sesbania; Urea fertilizers; Nitrogen fixation; Nitrogen uptake; Soil fertility; Crop yield; Direct sowing; Transplants; Composts

33 NAL Call No: S667.R5O7
Compost as a source of plant nutrients.
Inoko, A.
Manila, Philippines : International Rice Research Institute; 1984.
Organic matter and rice. p. 137-145; 1984. Paper presented at the "International Conference on Organic Matter and Rice" held 27 September to 1 October, 1982, IRRI, Los Banos, Leguna, Philippines. Includes references.

Language: English

Descriptors: Japan; Composts; Farmyard manure; Chemical composition; Nutrient availability

34 NAL Call No: TD796.5.C5
Compost production, quality, and use.
De Bertoldi, M.
Commission of the European Communities, Directorate-General of Science, Research, and Development
London ; New York : Elsevier Applied Science ; New York, NY, USA : Sole distributor in the USA and Canada, Elsevier Science Pub. Co; 1987.
xvii, 853 p. : ill. ; 23 cm. Proceedings of a symposium organized by the Commission of the European Communities, Directorate-General of Science, Research, and Development, in Udine, Italy, 17-19 April 1986. Includes bibliographies and

index.

Language: English

Descriptors: Compost--Congresses; Agricultural wastes--Europe--Congresses; Waste products as fuel--Europe--Congresses

35 NAL Call No: 57.8 C734
Compost research accomplishments and needs.
Golueke, C.G.
Emmaus, Pa. : J.G. Press; 1986 Apr.
BioCycle v. 27 (4): p. 40-43; 1986 Apr. Includes references.

Language: English

Descriptors: Wastes; Composting; Aeration; Energy; Microbiology; Research; Temperature; Waste utilization

36 NAL Call No: 57.8 C734
Compost standards for horticultural industries.
Gouin, F.R.
Emmaus, Pa. : J.G. Press; 1989 Aug.
BioCycle v. 30 (8): p. 42, 45, 47-48; 1989 Aug. Includes references.

Language: English

Descriptors: Composting; Quality standards; Nurseries; Domestic gardens; Horticulture; Industry

37 NAL Call No: 57.8 C734
Compost stops pathogens.
Logsdon, G.
Emmaus, Pa. : J.G. Press; 1988 Oct.
BioCycle v. 29 (9): p. 28; 1988 Oct.

Language: English

Descriptors: Panax; Fungal diseases; Phytophthora cactorum; Composts; Animal manures; Plant disease control; Biological control

38 NAL Call No: 56.8 SO3
Composted agricultural wastes as potting media for ornamental plants.
Chen, Y.; Inbar, Y.; Hadar, Y.
Baltimore, Md. : Williams & Wilkins; 1988 Apr.
Soil science v. 145 (4): p. 298-303; 1988 Apr. Includes references.

Language: English

Descriptors: Ficus benjamina; Pot plants; Cattle manure; Grape marc; Agricultural wastes; Growing media; Physico-chemical properties; Performance testing

39 NAL Call No: TD930.A32
Composted cotton straw silage as a substrate for Pleurotus sp. cultivation.
Silanikove, N.; Danai, O.; Levanon, D.
London : Elsevier Applied Science Publishers; 1988.
Biological wastes v. 25 (3): p. 219-226; 1988. Includes references.

Language: English

Descriptors: Israel; Pleurotus; Cultivation; Substrates; Agricultural wastes; Waste utilization; Cotton waste; Straw; Silage; Composting

40 NAL Call No: SF1.A54
Composted, deepstacked, and ensiled broiler litter in sheep diets: chemical composition and nutritive value study.
Abdelmawla, S.M.; Fontenot, J.P.; El-Ashry, M.A.
Blacksburg, Va. : The Station; 1987-1988.
Animal science research report - Virginia Polytechnic Institute and State University, Virginia Agricultural Experiment Station (7): p. 127-132; 1987-1988.

Language: English

Descriptors: Wethers; Sheep feeding; Poultry litter; Waste utilization; Digestibility; Nitrogen metabolism

41 NAL Call No: TP248.2.C66 1985
Composting.
Biddlestone, A.J.; Gray, K.R.
Oxford [Oxfordshire] : Pergamon; 1985.
Comprehensive biotechnology : the principles, applications, and regulations of biotechnology in industry, agriculture, and medicine / editor-in-chief, Murray Moo-Young. p. 1059-1070. ill; 1985. Includes agricultural and other organic waste composting. Includes references.

Language: English

Descriptors: Composting; Microbial degradation; Wastes; Processing; Methodology; Fertilizers

42 NAL Call No: 275.29 AR4LE
Composting and mulching for home and garden.
Schaller, C.C.
Little Rock, Ark. : The Service; 1984 Sep.
Leaflet EL - Arkansas University, Cooperative Extension Service (564): 12 p.; 1984 Sep.

Language: English

Descriptors: Composting; Mulching; Gardening

43 NAL Call No: 57.8 C734
Composting and the limiting factor principle.
Golueke, C.G.; Diaz, L.F.
Emmaus, Pa. : J.G. Press; 1987 Apr.
BioCycle v. 28 (4): p. 22-25; 1987 Apr.

Language: English

Descriptors: Wastes; Composting; Aeration; Microbiology; Oxygen; Temperature; Moisture content; Carbon

44 NAL Call No: 57.8 C734
Composting commercial food waste.
Emmaus, Pa. : J.G. Press; 1990 Feb.
BioCycle v. 31 (2): p. 50-51; 1990 Feb.

Language: English

Descriptors: Massachusetts; Minnesota; Composting; Food wastes; Fruits; Vegetables

45 NAL Call No: 275.29 UT1
Composting for Utah gardens.
Tindall, T.A.
Logan, Utah : The Service; 1985.
Extension circular EC - Cooperative Extension Service, Utah State University (408A): 2 p. ill; 1985.

Language: English

Descriptors: Utah; Composting; Domestic gardens

46 NAL Call No: 57.8 C734
Composting in Catalonia, Spain.
Sabater, F.; Penuelas, J.
Emmaus, Pa. : J.G. Press; 1986 Aug.
BioCycle v. 27 (7): p. 52-54. ill; 1986 Aug.

Language: English

Descriptors: Spain; Solid waste; Waste disposal; Composting; Composts

47 NAL Call No: SB476.G7
Composting landscape wastes.
Richard, T.; Ferenz, G.
Overland Park, Kan. : Intertec Publishing Corporation; 1988 Sep.
Grounds maintenance v. 23 (9): p. 40, 42, 44, 94. ill; 1988 Sep.

Language: English

Descriptors: Landscape; Wastes; Composting; Waste disposal; Problem solving; Guidelines

48 NAL Call No: 57.8 C734
Composting meat wastes down under.
Keeley, G.M.
Emmaus, Pa. : J.G. Press; 1988 Mar.
BioCycle v. 29 (3): p. 52-53. ill; 1988 Mar.

Language: English

Descriptors: New zealand; Meat and livestock industry; Waste treatment; Composting; Environmental protection; Facilities; Design; Utilization; Soil conditioners

49 NAL Call No: S661.C65
Composting: odour emission and odour control by biofiltration.
Hoek, K.W. van der; Oosthoek, J.
London : Elsevier Applied Science Publishers; 1985.
Composting of agricultural and other wastes / edited by J.K.R. Gasser. p. 271-281. ill; 1985. Includes 14 references.

Language: English

Descriptors: Netherlands; Crop residues; Composting; Air pollution; Control; Odor abatement; Methodology; Microbial degradation; Filtration

50 NAL Call No: S661.C65
Composting of agricultural and other wastes.
Gasser, J. K. R.
London ; New York : Elsevier Applied Science Publishers; 1985.
x, 320 p. : ill. ; 24 cm. (EUR ; 9419). "Proceedings of a seminar organised by the Commission of the European Communities, Directorate-General Science, Research and Development, Environment Research Programme, held at Brasenose College, Oxf. Includes bibliographies.

Language: English

Descriptors: Compost--Congresses; Agricultural wastes--Congresses

51 NAL Call No: TP248.2.B545
Composting of agricultural wastes.
Crawford, J.H.
Lancaster, Pa. : Technomic Pub; 1985.
Biotechnology : applications and research / edited by Paul N. Cheremisinoff, Robert P. Ouellettee, in collaboration with R.M. Bartholomew ... [et al.]. p. 68-77; 1985. Includes references.

Language: English

Descriptors: Agricultural wastes; Composting; Waste disposal; Physico-chemical properties

52 NAL Call No: TD930.A32
Composting of agricultural wastes for their use as container media: effect of heat treatments on suppression of Pythium aphanidermatum and microbial activities in substrates containing compost.
Mandelbaum, R.; Hadar, Y.; Chen, Y.
London : Elsevier Applied Science Publishers; 1988.
Biological wastes v. 26 (4): p. 261-274; 1988. Includes references.

Language: English

Descriptors: Cattle manure; Grape marc; Composts; Pythium aphanidermatum; Microbial activities; Heat treatment; Autoclaving; Incubation; Plant diseases; Disease control; Agricultural wastes

53 NAL Call No: TD930.A32
Composting of agricultural wastes for their use as container media: simulation of the composting process.
Inbar, Y.; Chen, Y.; Hadar, Y.
London : Elsevier Applied Science Publishers; 1988.
Biological wastes v. 26 (4): p. 247-259; 1988. Includes references.

Language: English

Descriptors: Cattle manure; Grape marc; Agricultural wastes; Composting; Incubation; Moisture content; Nitrogen; Microbial activities; Oxygen consumption; Composts; Waste utilization

54 NAL Call No: TD930.A32
Composting of fibrous solids from cow manure and anaerobically digested manure.
Tarre, S.; Raviv, M.; Shelef, G.
London : Elsevier Applied Science Publishers; 1987.
Biological wastes v. 19 (4): p. 299-308. ill; 1987. Includes references.

Language: English

Descriptors: Israel; Cattle manure; Composting; Anaerobic digesters; Volatile compounds; Separation; Growing media; Waste utilization

55 NAL Call No: 80 AC82
Composting of olive marc.
Calvet, C.; Pages, M.; Estaun, V.
Wageningen : International Society for Horticultural Science; 1985 Jun.
Acta horticulturae (172): p. 255-262; 1985 Jun. Presented at the International Symposium on the use of Composts as Horticultural Substrates, Ghent/Melle, Belgium, August 27-31, 1984. Includes references.

Language: English

Descriptors: Spain; Olive marc; Composting; Chemical composition; Waste utilization

56 NAL Call No: 57.8 C734
Composting seafood wastes.
Mathur, S.P.; Daigle, J.Y.; Brooks, J.L.; Levesque, M.; Arsenault, J.
Emmaus, Pa. : J.G. Press; 1988 Sep.
BioCycle v. 29 (8): p. 44-49; 1988 Sep. Includes references.

Language: English

Descriptors: Seafoods; Fish scrap; Composting; Waste disposal; Odor abatement; Composts; Product quality

57 NAL Call No: S661.K57 1988
Composting the organic natural way., Completely rev. and expanded ed.
Kitto, Dick; Kitto, Dick
Wellingborough, Northamptonshire, England : Thorsons Pub. Group ; New York, N.Y. : Distributed by Sterling Pub. Co; 1988.
128 p., 8 p. of plates : ill. (some col.) ; 22 cm. Includes index. Rev. ed. of: Composting, the cheap and natural way to make your garden grow. 1978.

Language: English

Descriptors: Compost; Organic gardening

58 NAL Call No: SB476.G7
Composting yard waste.
Wilkinson, J.F.
Overland Park, Kan. : Intertec Publishing Corporation; 1989 Sep.
Grounds maintenance v. 24 (9): p. 10, 103; 1989 Sep.

Language: English

Descriptors: Yards; Plant residues; Composting

59 NAL Call No: aZ5071.N3
Composts and composting of organic wastes 1979-85.
MacLean, J.T.
Beltsville, Md. : The Library; 1986 Mar.
Quick bibliography series - National Agricultural Library (U.S.). (86-41): 14 p.; 1986 Mar. Updates Quick Bibliography 82-14. Bibliography.

Language: English

Descriptors: Composting; Bark composts; Animal wastes; Plant residues; Cultivation; Gardening

60 NAL Call No: aZ5071.N3
Composts and composting of organic wastes, 1979-March 1987.
MacLean, J.T.
Beltsville, Md. : The Library; 1987 May.
Quick bibliography series - National Agricultural Library (U.S.). (87-41): 19 p.; 1987 May. Updates QB 86-41. Bibliography.

Language: English

Descriptors: Composts; Composting; Organic compounds; Wastes

61 NAL Call No: aZ5071.N3
Composts and composting of organic wastes January 1979-August 1988.
Maclean, J.T.
Beltsville, Md. : The Library; 1988 Nov.
Quick bibliography series - U.S. Department of Agriculure, National Agricultural Library (U.S.). (89-08): 30 p.; 1988 Nov. Updates QB 87-41. Bibliography.

Language: English

Descriptors: Composts; Composting; Wastes; Bibliographies

62 NAL Call No: aZ5071.N3
Composts and composting of organic wastes January 1983-February 1989.
Maclean, J.T.
Beltsville, Md. : The Library; 1989 May.
Quick bibliography series - U.S. Department of Agriculure, National Agricultural Library (U.S.). (89-59): 19 p.; 1989 May. Updates QB 89-08. Bibliography.

Language: English

Descriptors: Composts; Composting; Wastes; Waste utilization; Bibliographies

63 NAL Call No: TD930.A32
Composts from organic waste materials as substitutes for the usual horticultural substrates.
Verdonck, O.
London : Elsevier Applied Science Publishers; 1988.
Biological wastes v. 26 (4): p. 325-330; 1988. Includes references.

Language: English

Descriptors: Europe; Composts; Organic fertilizers; Wastes; Waste utilization; Horticulture; Substrates; Substitutes; Soil amendments; Composting; Physico-chemical properties; Evaluation

64 NAL Call No: S17.S9
Conservation of cattle manure in pits.
Musa, M.M.; Fawzi, H.
Khartoum : Khartoum University Press; 1972.
Sudan agricultural journal v. 7: p. 27-34; 1972. Includes references.

Language: English

Descriptors: Sudan; Cattle manure; Composting; Pits; Nitrogen; Microbial activities; Nitrates; Nitrogen uptake

65 NAL Call No: 1 Ag84M no.136
Conservation of fertilizer materials from minor sources.
Fletcher, C. C.1883-
Washington, D.C. : U.S. Dept. of Agriculture; 1932.
7 p. : ill. ; 23 cm. (Miscellaneous publication / United States Department of Agriculture ; no. 136). Cover title. January, 1932.

Language: English

Descriptors: Organic wastes as fertilizer; Compost--Research

66 NAL Call No: 464.8 P562
Control of downy mildew, Plasmopara viticola (de Bary) Berlese et de Toni, on grapevine leaves through water extracts from composted organic wastes.
Weltzien, H.C.; Ketterer, N.
Berlin, W. Ger. : Paul Parey; 1986 Jun.
Phytopathologische Zeitschrift; Journal of phytopathology v. 116 (2): p. 186-188. ill; 1986 Jun. Includes references.

Language: English

Descriptors: Vitis; Leaves; Plasmopara viticola; Mildews; Disease resistance

67 NAL Call No: S661.C65
Controlled microbial degradation of lignocellulose: the basis for existing and novel approaches to composting.
Lynch, J.M.; Wood, D.A.
London : Elsevier Applied Science Publishers; 1985.
Composting of agricultural and other wastes / edited by J.K.R. Gasser. p. 183-193. ill; 1985. Includes 24 references.

Language: English

Descriptors: England; Crop residues; Straw disposal; Composting; Microbial degradation; Lignocellulose; Mushroom compost; Waste utilization

68 NAL Call No: TD886.V64
Controlling ammonia emission from poultry manure composting plants.
Bonazzi, G.; Valli, L.; Piccinini, S.
London : Elsevier Applied Science; 1988.
Volatile emissions from livestock farming and sewage operations / edited by V.C. Nielsen, J.H. Voorburg, and P. L'Hermite. p. 183-195. ill; 1988. Includes references.

Language: English

Descriptors: Italy; Poultry manure; Composting; Straw; Ammonia; Vaporization; Hens; Dehydration; Waste disposal

69 NAL Call No: TD930.A32
Controlling of fusarium wilt in carnation with bark compost.
Pera, A.; Filippi, C.
London : Elsevier Applied Science Publishers; 1987.
Biological wastes v. 22 (3): p. 219-228; 1987. Includes references.

Language: English

Descriptors: Dianthus caryophyllus; Bark composts; Wilting; Disease control; Physico-chemical properties

70 NAL Call No: 475 J82
Crop residues and plant growth.
Vimal, O.P.; Talashilkar, S.C.
New Delhi : Council of Scientific And Industrial Research; 1986 Feb.
Journal of scientific and industrial research v. 45 (2): p. 78-89; 1986 Feb. Literature review. Includes references.

Language: English

Descriptors: Crop residues; Agricultural byproducts; Soil fertility; Composting; Straw; Soil biology; Phytotoxicity; Plant diseases; Growth; Pollution by agriculture

71 NAL Call No: S605.5.R64
Cultivating virtue.
Pollan, M.
Emmaus, Pa. : Rodale Press; 1987 Oct.
Rodale's organic gardening v. 34 (10): p. 95-96; 1987 Oct.

Language: English

Descriptors: Gardening; Composts; Organic farming

72 NAL Call No: TD930.A32
Cultivation of microlagae in refuse compost and soy-bean waste extracts.
Wong, M.H.
London : Elsevier Applied Science Publishers; 1985.
Agricultural wastes v. 12 (3): p. 225-233; 1985. Includes references.

Language: English

Descriptors: Chlorella pyrenoidosa; Refuse compost; Scenedesmus quadricauda; Soybeans; Wastes; Algae culture

73 NAL Call No: TD930.A32
Cultivation of Pleurotus sajor-caju on different wastes.
Madan, M.; Vasudevan, P.; Sharma, S.
London : Elsevier Applied Science Publishers; 1987.
Biological wastes v. 22 (4): p. 241-250. ill; 1987. Includes references.

Language: English

Descriptors: Pleurotus sajor-caju; Mushroom compost; Morus alba; Ricinus communis; Leaves; Stems; Protein content; Crop yield; Cultivation methods

74 NAL Call No: 80 AC82
Decomposition of vine-canes in heap and evaluation of the produced compost.
Manios, V.I.; Tsikalas, P.E.; Verdonck, O.
Wageningen : International Society for Horticul-

tural Science; 1985 Jun.
Acta horticulturae (172): p. 39-53; 1985 Jun. Presented at the International Symposium on the use of Composts as Horticultural Substrates, Ghent/Melle, Belgium, August 27-31, 1984. Includes references.

Language: English

Descriptors: Greece; Vineyards; Agricultural wastes; Pruning trash; Composting

75 NAL Call No: S592.85.I5 1983
The degradation of agrochemicals during composting.
Vogtmann, H.; Fragstein, P.V.; Draeger, P.
Rehovot : Hebrew University of Jerusalem, Faculty of Agriculture, [1984?]; 1984.
Proceedings of the Second International Symposium Peat in Agriculture and Horticulture / edited by K.M. Schallinger. p. 357-378; 1984. Includes 11 references.

Language: English

Descriptors: Pesticide residues; Composting; Chemical degradation

76 NAL Call No: 57.8 C734
Disposing of organic hazardous wastes by composting.
Savage, G.M.; Diaz, L.F.; Golueke, C.G.
Emmaus, Pa. : J.G. Press; 1985 Jan.
BioCycle v. 26 (1): p. 31-34; 1985 Jan. Includes 11 references.

Language: English

Descriptors: Waste disposal; Composting; Soil amendments; Refuse compost

77 NAL Call No: 57.8 C734
Diverting debris from the landfill.
Gertman, R.
Emmaus, Pa. : J.G. Press; 1985 Jul.
BioCycle v. 26 (5): p. 32-33; 1985 Jul.

Language: English

Descriptors: Composting; Waste utilization; Gardens; Trimming; Yards

78 NAL Call No: SF597.E3E2
Domestic vermicomposting systems.
Appelhof, M.
The Hague : SPB Academic Publishing; 1988.
Earthworms in waste and environmental management / edited by Clive A. Edwards and Edward F. Neuhauser. p. 157-161; 1988. Includes references.

Language: English

Descriptors: USA; Oligochaeta; Kitchen waste; Waste treatment; Composting; Questionnaires; Cultural methods; Drosophila; Problem analysis

79 NAL Call No: 80 AC82
Dopplerite--a natural occurring humic acid.
Wilson, G.C.S.
Wageningen : International Society for Horticultural Science; 1985 Jun.
Acta horticulturae (172): p. 95-98; 1985 Jun. Presented at the International Symposium on the use of Composts as Horticultural Substrates, Ghent/Melle, Belgium, August 27-31, 1984. Includes references.

Language: English

Descriptors: Scotland; Humic acids; Organic matter in soil; Chemical analysis; Classification

80 NAL Call No: 57.8 C734
Doubling up on yard waste.
Cantor, D.
Emmaus, Pa. : J.G. Press; 1989 Sep.
BioCycle v. 30 (9): p. 48-50. ill; 1989 Sep.

Language: English

Descriptors: Maryland; Waste disposal; Leaves; Composting; Grass clippings; Recycling

81 NAL Call No: QR82.A35B52
Ecology of actinomycetes.
Williams, S.T.; Lanning, S.; Wellington, E.M.H.
London : Academic Press, 1984; 1983.
The Biology of the actinomycetes / edited by M. Goodfellow, M. Mordarski, S.T. Williams. p. 481-528; 1983. Includes references.

Language: English

Descriptors: Actinomycetales; Ecology; Decomposition; Manures; Feeds; Drinking water; Composts

82 NAL Call No: S661.C65
The economic feasibility of earthworm culture on animal wastes.
Fieldson, R.S.
London : Elsevier Applied Science Publishers; 1985.
Composting of agricultural and other wastes / edited by J.K.R. Gasser. p. 243-254. ill; 1985. Includes 14 references.

Language: English

Descriptors: England; Animal manures; Pig slurry; Waste disposal; Application to land; Composting; Microbiology; Oligochaeta; Feeds of animal origin

83 NAL Call No: 57.8 C734
Economics of leaf composting.
Derr, D.A.
Emmaus, Pa. : J.G. Press; 1985 Oct.
BioCycle v. 26 (7): p. 36-38. ill; 1985 Oct.

Language: English

Descriptors: Composting; Leaves; Recycling; Economic analysis; Humus

84 NAL Call No: TD930.A32
The effect of compost from vine shoots on the growth of barley.
Lobo, M.C.; Madrid, Spain
London : Elsevier Applied Science Publishers; 1988.
Biological wastes v. 25 (4): p. 281-290; 1988. Includes references.

Language: English

Descriptors: Mediterranean countries; Vines; Shoots; Agricultural wastes; Waste utilization; Composts; Soil conditioners; Fertilizers; Hordeum distichum; Plant production

85 NAL Call No: QK867.J67
The effect of compost manure and CaCO3 on the absorption of micronutrients by wheat plants grown in Egyptian sandy soils.
Fouda, E.E.
New York, N.Y. : Marcel Dekker; 1988 Jun.
Journal of plant nutrition v. 11 (6/11): p. 1345-1351; 1988 Jun. Paper presented at the "Fourth International Symposium on Iron Nutrition and Interactions in Plants," July 6-9, 1987, University of New Mexico, Albuquerque. Includes references.

Language: English

Descriptors: Egypt; Triticum aestivum; Composts; Manures; Calcium carbonate; Trace elements; Iron; Copper; Zinc; Ferric sulfate; Calcareous soils; Soil amendments

86 NAL Call No: TD930.A32
Effect of decomposing cattle dung and pyrite on the utilization of mineral acid-soluble phosphate by mustard.
Gupta, A.P.; Manocha, P.K.; Tomar, N.K.
London : Elsevier Applied Science Publishers; 1988.
Biological wastes v. 25 (3): p. 161-169; 1988. Includes references.

Language: English

Descriptors: India; Cattle manure; Pyrites; Rock phosphate; Superphosphate; Composting; Enrichment; Mineral fertilizers; Plant nutrition; Utilization; Plant production; Brassica nigra

87 NAL Call No: SB1.J66
Effect of pine bark age, starter nitrogen, and activated charcoal on growth of plants in containers.
Whitcomb, C.E.; Appleton, B.L.
Washington, D.C. : Horticultural Research Institute; 1985 Jun.
Journal of environmental horticulture v. 3 (2): p. 69-71; 1985 Jun. Includes 11 references.

Language: English

Descriptors: Pinus echinata; Pinus taeda; Activated carbon; Composting; Bark composts; Phenolic compounds; Container grown plants

88 NAL Call No: QH84.8.B46
Effect of pre-incubated sawdust-based cowdung on growth and nutrient uptake of Zea mays (L.) and on soil chemical properties.
Olayinka, A.; Adebayo, A.
Berlin : Springer International; 1989.
Biology and fertility of soils v. 7 (2): p. 176-179; 1989. Includes references.

Language: English

Descriptors: Nigeria; Zea mays; Cattle manure; Composts; Straw; Soil pH; Physico-chemical properties of soil; Nutrient uptake; Growth; Dry matter accumulation; Soil properties

89 NAL Call No: 448.3 AP5
Effect of temperature on bacterial species diversity in thermophilic solid-waste composting.
Strom, P.F.
Washington, D.C. : American Society for Microbiology; 1985 Oct.
Applied and environmental microbiology v. 50 (4): p. 899-905. ill; 1985 Oct. Includes statistical data. Includes 42 references.

Language: English

Descriptors: Composting; Solid waste; Thermophilic bacteria; Species; Diversity; Temperature

90 NAL Call No: TD930.A32
Effects of animal manure composts on tree (Acacia confusa) seedling growth.
Wong, M.H.
London : Elsevier Applied Science Publishers; 1985.
Agricultural wastes v. 13 (4): p. 261-272; 1985. Includes references.

Language: English

Descriptors: Hong kong; Animal manures; Composts; Seedlings; Growth

91 NAL Call No: TD930.A32
The effects of applications of phosphate, lime, EDTA, refuse compost and pig manure on the Pb contents of crops.
Wong, M.H.; Lau, W.M.
London : Elsevier Applied Science Publishers; 1985.
Agricultural wastes v. 12 (1): p. 61-75; 1985. Includes references.

Language: English

Descriptors: Phosphates; Lime (mineral); Refuse compost; Edta; Animal manures; Pigs; Lead; Mineral nutrition; Brassica chinensis; Raphanus sativus

92 NAL Call No: 100 Io9 no.127
The effects of artificial farm manures on soils and crops.
Brown, P. E.; Smith, Frederick B.
Ames, Iowa : Agricultural Experiment Station, Iowa State College of Agriculture and Mechanic Arts; 1930.
p. 200-236 ; 22 cm. (Research bulletin ; no. 127). Bibliography: p. 236.

Language: English

Descriptors: Farm manure; Compost

93 NAL Call No: 442.8 AN72
Effects of leaf-matter incorporation on Aphelenchoides composticola (Nematoda), mycofloral composition, mushroom compost quality and yield of Agaricus bisporus.
Grewal, P.S.
Warwick : Association of Applied Biologists; 1989 Oct.
Annals of applied biology v. 115 (2): p. 299-312; 1989 Oct. Includes references.

Language: English

Descriptors: India; Aphelenchoides composticola; Agaricus bisporus; Leaves; Composts

94 NAL Call No: S605.5.I45 1984
Effects of organic and mineral fertilizations on the contents of vegetables in minerals vitamin C and nitrates.
Lairon, D.; Termine, E.; Gautier, S.; Trouilloud, M.; Lafont, H.; Hauton, J.C.
Witzenhausen : Verlagsgruppe Witzenhausen; 1986.
The importance of biological agriculture in a world of diminishing resources : proc of the 5th IFOAM Int Scientific Conference at the Univ of Kassel (Germany), Aug 27-30, 1984 / H. Vogtmann, E. Boehncke, I. Fricke, eds. p. 249-260; 1986. Includes references.

Language: English

Descriptors: France; Allium porrum; Daucus carota; Lactuca sativa; Brassica rapa; Brassica oleracea; Container grown plants; Field experimentation; Organic fertilizers; Farmyard manure; Composts; Fertilizer application; Mineral content; Ascorbic acid; Nitrates; Crop yield; Food quality; Organic farming; Traditional farming

95 NAL Call No: 464.8 P56
Effects of organic matter decomposition level and cellulose amendment on the inoculum potential of Rhizoctonia solani in hardwood bark media.
Chung, Y.R.; Hoitink, H.A.J.; Dick, W.A.; Herr, L.J.
St. Paul, Minn. : American Phytopathological Society; 1988 Jun.
Phytopathology v. 78 (6): p. 836-840; 1988 Jun. Includes references.

Language: English

Descriptors: Thanatephorus cucumeris; Damping off; Suppression; Hardwoods; Bark; Composts; Microbial activities; Cellulose; Cellulase

96 NAL Call No: 57.8 C734
Egypt moves from pilot to full-scale composting.
Hughes, E.G.
Emmaus, Pa. : J.G. Press; 1987 Jul.
BioCycle v. 28 (6): p. 26-27. ill; 1987 Jul.

Language: English

Descriptors: Egypt; Composting; Composts; Refuse compost

97 NAL Call No: 57.8 C734

Energetics of compost production and utilization.
Diaz, L.F.; Golueke, C.G.; Savage, G.M.
Emmaus, Pa. : J.G. Press; 1986 Sep.
BioCycle v. 27 (8): p. 49-54; 1986 Sep. Paper presented at the Conference on "Composting and Waste Recycling", April 30-May 2, 1986, Baltimore, Maryland. Includes references.

Language: English

Descriptors: Solid waste; Composting; Energy consumption; Energy requirements; Waste utilization; Application to land; Transport

98 **NAL Call No: SF597.E3E2**
Engineering problems in the breakdown of animal wastes by earthworms.
Phillips, V.R.
The Hague : SPB Academic Publishing; 1988.
Earthworms in waste and environmental management / edited by Clive A. Edwards and Edward F. Neuhauser. p. 111-118. ill; 1988. Includes references.

Language: English

Descriptors: United Kingdom; Oligochaeta; Composts; Worm casts; Waste treatment; Agricultural engineering; Flow charts; Agricultural wastes; On farm processing

99 **NAL Call No: 57.8 C734**
EPA report: technology evaluation at compost sites.
Goldstein, N.
Emmaus, Pa. : J.G. Press; 1987 May.
BioCycle v. 28 (5): p. 28-33; 1987 May.

Language: English

Descriptors: USA; Solid waste; Waste disposal; Composting; Windrowers

100 **NAL Call No: 57.8 C734**
Evaluation maturity and metal transfer of MSW compost.
Anid, P.J.
Emmaus, Pa. : J.G. Press; 1986 Jan.
BioCycle v. 27 (1): p. 46-47; 1986 Jan. Includes 9 references.

Language: English

Descriptors: Composts; Metal wastes; Maturity; Evaluation; Decomposition; Soil amendments; Crop yield

101 **NAL Call No: TD930.A32**
Evaluation of a low grade rock phosphate composted with some agricultural wastes for use in a crop rotation.
Singh, R.D.; Yadav, D.V.
London : Elsevier Applied Science Publishers, 1986.
Agricultural wastes v. 18 (1): p. 73-79; 1986. Includes references.

Language: English

Descriptors: Uttar pradesh; Rock phosphate; Triticum aestivum; Vigna radiata; Oryza sativa; Composting; Agricultural wastes; Rotations; Crop yield; Crop quality; Eichhornia crassipes; Trifolium alexandrinum; Waste utilization

102 **NAL Call No: SB1.J6**
Evaluation of composted rice hulls and lightweight clay aggregate as components of container-plant growth media.
Laiche, A.J. Jr; Nash, V.E.
Washington, D.C. : Horticultural Research Institute; 1990 Mar.
Journal of environmental horticulture v. 8 (1): 14-18; 1990 Mar. Includes references.

Language: English

Descriptors: Rhododendron; Ilex crenata; Juniperus horizontalis; Container grown plant; Composts; Rice husks; Pine bark; Sand; Clay; Mixtures; Growth rate

103 **NAL Call No: 1.9 P69**
Evaluation of metalaxyl and captafol soil drenches, composted hardwood bark soil amendments, and graft union placement on control of apple collar rot.
Ellis, M.A.; Ferree, D.C.; Madden, L.V.
St. Paul, Minn. : American Phytopathological Society; 1986 Jan.
Plant disease v. 70 (1): p. 24-26; 1986 Jan. Includes 16 references.

Language: English

Descriptors: Ohio; Malus; Phytophthora cactorum; Fungus control; Captafol; Fungicides; Soil treatments; Hardwoods; Bark; Soil amendments; Grafting unions; Rootstocks

104 **NAL Call No: TD930.A**
Evaluation of some agricultural wastes as carriers for bacterial inoculants.
Sadasivam, K.V.; Tyagi, R.K.; Ramarethinam, S.
London : Elsevier Applied Science Publishe

1986.
Agricultural wastes v. 17 (4): p. 301-306; 1986. Includes references.

Language: English

Descriptors: India; Agricultural wastes; Azospirillum brasilense; Azotobacter chroococcum; Inoculant carriers; Bagasse; Maize cobs; Rice straw; Composts; Survival; Cakes; Madhuca latifolia; Water holding capacity; Bulk density; Porosity

105 NAL Call No: 57.8 C734
Expanding markets for yard waste compost.
Cox, K.A.
Emmaus, Pa. : J.G. Press; 1989 Oct.
BioCycle v. 30 (10): p. 64-65; 1989 Oct.

Language: English

Descriptors: Leaves; Grass clippings; Composting; Marketing

106 NAL Call No: S661.C65
Experimental use of organic by-products as culture substrates.
Daudin, D.; Michelot, P.
London : Elsevier Applied Science Publishers; 1985.
Composting of agricultural and other wastes / edited by J.K.R. Gasser. p. 216-226; 1985.

Language: English

Descriptors: Waste utilization; Composting; Growing media; Tests

107 NAL Call No: 57.8 C734
Farmers enter compost business.
Emmaus, Pa. : J.G. Press; 1986 Nov.
BioCycle v. 27 (10): p. 32-33; 1986 Nov. New income source for farmers.

Language: English

Descriptors: Massachusetts; Composts; Animal wastes; Waste utilization; Farmers' income

108 NAL Call No: S661.C65
The fate of plant pathogens during composting of crop residues.
Bollen, G.J.
London : Elsevier Applied Science Publishers; 1985.
Composting of agricultural and other wastes / edited by J.K.R. Gasser. p. 282-290; 1985. Includes 32 references.

Language: English

Descriptors: Crop residues; Composting; Plant pathogens; Inactivation; Survival; Temperatures; Toxins; Microbial degradation

109 NAL Call No: S605.5.B5
The feasibility of preparing high quality composts from fish scrap and peat with seaweeds of crab scrap.
Mathur, S.P.; Daigle, J.Y.; Levesque, M.; Dinel, H.
Berkhamsted : A B Academic Publishers; 1986.
Biological agriculture and horticulture v. 4 (1): p. 27-38; 1986. Includes references.

Language: English

Descriptors: Canada; Composts; Fish scrap; Crab waste; Seaweeds; Peat; Feasibility studies; Quality; Ammonia; Ammonium compounds; Ph; Microbial activities

110 NAL Call No: FICHE S-72
Finite element model of composting dairy manure solids. I.
Ferns, S.E.; Gerrish, J.B.; Loudon, T.L.; Segerlind, L.J.
St. Joseph, Mich. : The Society; 1986.
American Society of Agricultural Engineers (Microfiche collection) (fiche no. 86-4543): 21 p. ill; 1986. Paper presented at the 1986 Winter Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. Includes references.

Language: English

Descriptors: Finite element analysis; Models; Dairy farming; Manures; Solid waste; Composting

111 NAL Call No: S605.5.R64
Five steps to quick compost.
Johnson, P.H.
Emmaus, Pa. : Rodale Press; 1988 Feb.
Rodale's organic gardening v. 35 (2): p. 35, 38-39. ill; 1988 Feb.

Language: English

Descriptors: Composts; Composting; Gardens

112 NAL Call No: aSB933.3.S7
Fly control by composting manure at a south Florida equine facility.

Hogsette, J.A.
New Orleans, La. : Science and Education Administration, U.S. Dept. of Agriculture; 1981.
Status of biological control of filth flies : proceedings of a workshop, February 4-5, 1981, University of Florida, Gainesville / sponsored by Sci and Educ Admin, U.S. Dep of Agric and the Coop Ext Serv, Univ of Florida. p. 105-113; 1981. Includes references.

Language: English

Descriptors: Florida; Horses; Musca domestica; Stomoxys calcitrans; Integrated pest management; Horse manure; Composting; Control methods

113 **NAL Call No: 57.8 C734**
Future of composting in the Netherlands.
Oosthoek, J.; Smit, J.P.N.
Emmaus, Pa. : J.G. Press; 1987 Jul.
BioCycle v. 28 (6): p. 37-39; 1987 Jul. Includes references.

Language: English

Descriptors: Netherlands; Solid waste; Waste disposal; Composting; Composts; Heavy metals

114 **NAL Call No: 275.29 OR32C**
Gardening with composts, mulches, and row covers.
Mansour, N.S.
Corvallis, Or. : The Service; 1986 Nov.
Extension circular - Oregon State University, Extension Service (1247): 4 p. ill; 1986 Nov.

Language: English

Descriptors: Composts; Mulches; Plant covers

115 **NAL Call No: 57.8 C734**
Global view of resource recovery.
Arlosoroff, S.
Emmaus, Pa. : J.G. Press; 1988 Oct.
BioCycle v. 29 (9): p. 53-55; 1988 Oct.

Language: English

Descriptors: Resource management; Waste utilization; Waste water disposal; Irrigation; Composting; Water reuse; Ibrd; Research projects

116 **NAL Call No: 57.8 C734**
"Green waste" composting in the Netherlands.
Roosmalen, G.R. van; Langerijt, J.C. van de
Emmaus, Pa. : J.G. Press; 1989 Jul.
BioCycle v. 30 (7): p. 32-35; 1989 Jul. Includes references.

Language: English

Descriptors: Netherlands; Vegetables; Fruits; Auctions; Food wastes; Waste disposal; Composting; Wood chips; Mixtures; Water content; Temperature; Aeration; Composts; Chemical composition; Odor emission

117 **NAL Call No: QH84.8.B46**
Growth and cocoon production of Perionyx excavatus (Oligochaeta).
Reinecke, A.J.; Hallatt, L.
Berlin : Springer International; 1989.
Biology and fertility of soils v. 8 (4): p. 303-306; 1989. Includes references.

Language: English

Descriptors: Oligochaeta; Biological activity in soil; Growth; Life cycles; Cattle manure; Composting

118 **NAL Call No: SB1.H6**
Growth and interior performance of poinsettia in media containing composted cotton burrs.
Wang, Y.T.; Blessington, T.M.
Alexandria, Va. : American Society for Horticultural Science; 1990 Apr.
HortScience v. 25 (4): p. 407-408; 1990 Apr. Includes references.

Language: English

Descriptors: Euphorbia pulcherrima; Growing media; Composts; Cotton waste; Waste utilization; Cotton burrs; Growth rate; Dry matter accumulation; Crop quality; Greenhouse culture

119 **NAL Call No: 450 P696**
Growth response of selected vegetable crops to spent mushroom compost application in a controlled environment.
Wang, S.H.L.; Lohr, V.I.; Coffey, D.L.
The Hague : Martinus Nijhoff; 1984.
Plant and soil v. 82 (1): p. 31-40; 1984. Includes 19 references.

Language: English

Descriptors: Spinach; Tomatoes; Beans (phaseolus); Radishes; Cucumbers; Mushroom compost; Seedling emergence; Salinity; Nutrient uptake; Growth analysis

120 **NAL Call No: S661.C65**
Heat from aerobic treatment of liquid animal wastes.
Baines, S.; Svoboda, I.F.; Evans, M.R.

London : Elsevier Applied Science Publishers; 1985.
Composting of agricultural and other wastes / edited by J.K.R. Gasser. p. 147-166. ill; 1985. Includes 13 references.

Language: English

Descriptors: Bioenergy; Waste utilization; Liquid manures; Composting; Anaerobic digesters; Heat recovery

121 NAL Call No: S661.C65
Heat recovery from composting and comparison with energy from anaerobic digestion.
Verougstraete, A.; Nyns, E.J.; Naveau, H.P.
London : Elsevier Applied Science Publishers; 1985.
Composting of agricultural and other wastes / edited by J.K.R. Gasser. p. 135-146. ill; 1985. Includes 2 references.

Language: English

Descriptors: Bioenergy; Waste utilization; Crop residues; Composting; Anaerobic digesters; Heat recovery; Heat exchangers

122 NAL Call No: TP360.B527 1984
Heat recovery from composting solid manure.
Thostrup, P.
London : Elsevier Applied Science; 1985.
Bioenergy 84 : the proceedings of an international conference on bioenergy held on 15-21 June 1984 at the Swedish Trade Fair Centre, Goteborg, Sweden / edited by H. Egneus and A. Ellegard ; organized by Svenska Massan. v. 2 p. 217-225. ill; 1985. Includes 25 references.

Language: English

Descriptors: Animal manures; Composting; Heat recovery; Aerobic treatment; Microorganisms

123 NAL Call No: S661.C65
Heat recovery from composting solid manure.
Thostrup, P.
London : Elsevier Applied Science Publishers; 1985.
Composting of agricultural and other wastes / edited by J.K.R. Gasser. p. 167-180. ill; 1985. Includes 67 references.

Language: English

Descriptors: Solid waste; Animal manures; Composting; Heat recovery; Bioenergy; Methodology; Waste utilization

124 NAL Call No: QR1.F4
Heat resistant thermophilic anaerobe isolated from composted forest bark.
Brown, K.L.
Orlando : Academic Press, Inc; 1985.
FEMS symposium - Federation of European Microbiological Societies v. 18: p. 275-282. ill; 1985. Includes 29 references.

Language: English

Descriptors: Bark composts; Clostridium; Isolation; Food preservation; Heat resistance; Anaerobes; Canned vegetables; Mushrooms; Spoilage

125 NAL Call No: TD172.W36
Heavy metal contents of some solid wastes in Ibadan, Nigeria.
Sridhar, M.K.C.; Bammeke, A.O.
Dordrecht : D. Reidel Pub. Co; 1986 May.
Water, air, and soil pollution v. 29 (1): p. 51-56; 1986 May. Includes references.

Language: English

Descriptors: Nigeria; Solid waste; Heavy metals; Concentrations; Pollution; Composts; Environmental impact reporting

126 NAL Call No: S1.N32
His business is spreading.
Zahradnik, F.
Emmaus, Pa. : Regenerative Agriculture Association; 1985 Jul.
The New farm v. 7 (5): p. 16-17, 19. ill; 1985 Jul.

Language: English

Descriptors: Manures; Composts; Fertilizers; Waste utilization

127 NAL Call No: S605.5.R64
How much compost for your garden?
White, L.C.
Emmaus, Pa. : Rodale Press; 1986 Dec.
Rodale's organic gardening v. 33 (12): p. 40-44. ill; 1986 Dec.

Language: English

Descriptors: Flowers; Composts; Composting

128 NAL Call No: QH7.N35
Identification of fungi isolated from coffee pulp.
Tauk, S.M.
Sao Jose do Rio Preto [Brazil] : Faculdade de Filosofia, Ciencias e Letras; 1984.

Naturalia v. 9: p. 57-60; 1984. Includes references.

Language: English (Summary in Portuguese)

Descriptors: Guatemala; Coffee pulp; Composting; Food processing; Fungi; Waste disposal

129 NAL Call No: 448.3 AP5
Identification of thermophilic bacteria in solid-waste composting.
Strom, P.F.
Washington, D.C. : American Society for Microbiology; 1985 Oct.
Applied and environmental microbiology v. 50 (4): p. 906-913; 1985 Oct. Includes 84 references.

Language: English

Descriptors: Composting; Solid waste; Thermophilic bacteria; Bacillus; Species Diversity; Temperature; Identification

130 NAL Call No: 57.8 C734
Implementing A county-wide composting program.
Golob, B.R.
Emmaus, Pa. : J.G. Press; 1986 Jan.
BioCycle v. 27 (1): p. 39-40, 42-44. ill; 1986 Jan. Includes 5 references.

Language: English

Descriptors: Minnesota; Composting; Waste disposal; Leaves; Soil requirements

131 NAL Call No: SF5.M335 1985
Improvement of soil fertility of pasture in the smallholdings.
Mohd Najib, M.A.; Ummi Kalsom, M.S.
Serdang, Selangor : The Society, Dept. of Animal Sciences, Univ. Pertanian Malaysia, [1985?]; 1985.
Qualtiy in livestock production : proceedings of the Ninth Annual Conference of the Malaysian Society of Animal Production / edited by S. Sivarajasingam R. I. Hutagalung, Kassim Hamid. p. 53-63; 1985. Includes statistical data. Includes references.

Language: English

Descriptors: Malaysia; Panicum maximum; Pennisetum purpureum; Pasture management; Soil fertility; Farmyard manure; Composts; Small farms

132 NAL Call No: S605.5.I45 1984
Influence of organic and mineral fertilizers on yield and quality of potatoes.
Fischer, A.; Richter, C.
Witzenhausen : Verlagsgruppe Witzenhausen; 1986.
The importance of biological agriculture in a world of diminishing resources : proc of the 5th IFOAM Int Scientific Conference at the Univ of Kassel (Germany), Aug 27-30, 1984 / H. Vogtmann, E. Boehncke, I. Fricke, eds. p. 236-248. ill; 1986. Includes references.

Language: English

Descriptors: German federal republic; Solanum tuberosum; Alternative farming; Organic farming; Traditional farming; Surveys; Fertilizer application; Composts; Manures; Crop yield; Crop quality; Food quality; Ascorbic acid; Nitrates

133 NAL Call No: S605.5.R64
The instant garden.
Cox, J.
Emmaus, Pa. : Rodale Press; 1987 Dec.
Rodale's organic gardening v. 34 (12): p. 90-91. ill; 1987 Dec.

Language: English

Descriptors: Gardens; Soils; Composts; Soil management

134 NAL Call No: 57.8 C734
An integrated resource recovery system.
Diaz, L.F.; Savage, G.M.; Golueke, C.G.
Emmaus, Pa. : J.G. Press; 1987 Nov.
BioCycle v. 28 (10): p. 47-52; 1987 Nov.

Language: English

Descriptors: Waste utilization; Cellulose; Composting; Fiber pulp; Pulping; Recycling; Wastes

135 NAL Call No: 57.8 C734
Integrated waste management options.
Sayag, D.; Andre, L.
Emmaus, Pa. : J.G. Press; 1987 Jul.
BioCycle v. 28 (6): p. 56-58. ill; 1987 Jul. Includes references.

Language: English

Descriptors: France; Waste disposal; Waste utilization; Composting; Projects; Energy recovery; Fertilizers; Biotechnology

136 NAL Call No: 464.8 P56
Interactions between bacteria and Trichoderma hamatum in suppression of Rhizoctonia damping-off in bark compost media.

Kwok, O.C.H.; Fahy, P.C.; Hoitink, H.A.J.; Kuter, G.A.
St. Paul, Minn. : American Phytopathological Society; 1987 Aug.
Phytopathology v. 77 (8): p. 1206-1212; 1987 Aug. Includes references.

Language: English

Descriptors: Bark composts; Bacteria; Trichoderma; Rhizoctonia; Damping off; Suppression; Antagonists

137 NAL Call No: 464.8 P56
Interactions between thermophilic fungi and Trichoderma hamatum in suppression of Rhizoctonia damping-off in a bark compost-amended container medium.
Chung, Y.R.; Hoitink, H.A.J.
St. Paul, Minn. : American Phytopathological Society; 1990 Jan.
Phytopathology v. 80 (1): p. 73-77; 1990 Jan. Includes references.

Language: English

Descriptors: Bark composts; Thanatephorus cucumeris; Biological control; Suppression; Antagonism; Biological control organisms; Trichoderma; Thermophilic fungi; Humicola; Temperature relations; Microbial activities; Population density

Abstract: The ability of Trichoderma hamatum to induce suppression of Rhizoctonia damping-off in a container medium prepared with mature, composted, hardwood tree bark removed from various temperature zones in compost piles varied significantly. Efficacy of the biocontrol agent in medium amended with compost from a 40-50 C zone was reduced significantly as compared with that of the medium containing higher-temperature composts. Population densities of T. hamatum or Rhizoctonia solani did not differ in the medium prepared with compost from the various temperature zones. Population densities of thermophilic bacteria and fungi were significantly higher in the 40-50 C compost. Humicola spp. were the predominant fungal taxa isolated from compost in this temperature zone, but they were unable to grow on potato-dextrose agar (PDA) at 25 C. Some isolates of Humicola significantly reduced efficacy but not population densities of T. hamatum in the medium. Bacteria isolated from the 40-50 C zone did not reduce efficacy of the biocontrol agent. Damping-off was suppressed by T. hamatum if the medium containing 40-50 C compost or compost fortified with Humicola spp. was incubated for three or more weeks at 25 C before bioassays were performed. We propose that some thermophilic fungi naturally present in 40-50 C compost temporarily interfered with the biocontrol activity of T. hamatum after compost-amended medium was first prepared.

138 NAL Call No: TD930.A32
Investigation on humic matter from decomposing poplar bark.
Roletto, E.; Chiono, R.; Barberis, E.
London : Elsevier Applied Science Publishers; 1985.
Agricultural wastes v. 12 (4): p. 261-272; 1985. Includes references.

Language: English

Descriptors: Composting; Decomposition; Humic compounds; Poplars; Bark humus; Bark composts

139 NAL Call No: TD930.A32
Investigation on humic substances from decomposing spruce bark.
Roletto, E.; Cerruti, M.; Barberis, M.
London : Elsevier Applied Science Publishers; 1985.
Agricultural wastes v. 13 (2): p. 137-148; 1985. Includes references.

Language: English

Descriptors: Humic compounds; Decomposition; Composting; Bark composts; Picea

140 NAL Call No: TP248.2.C66 1985
Landfills for treatment of solid wastes.
Rees, J.F.
Oxford [Oxfordshire] : Pergamon; 1985.
Comprehensive biotechnology : the principles, applications, and regulations of biotechnology in industry, agriculture, and medicine / editor-in-chief, Murray Moo-Young. p. 1071-1087. ill; 1985. Literature review. Includes references.

Language: English

Descriptors: Solid waste; Application to land; Refuse compost; Biological activity in soil; Control; Methane production

141 NAL Call No: 57.8 C734
Leaf and yard waste composting.
Schauer, D.
Emmaus, Pa. : J.G. Press; 1986 Sep.
BioCycle v. 27 (8): p. 24-26. ill; 1986 Sep.

Language: English

Descriptors: Oregon; Massachusetts; Minnesota; Leaves; Composting; Collection; Application to land; Organic fertilizers

142 NAL Call No: 57.8 C734
Leaf bagging vs. curb collection.
Rice, J.E.
Emmaus, Pa. : J.G. Press; 1988 Feb.
BioCycle v. 29 (2): p. 30-31. ill; 1988 Feb.

Language: English

Descriptors: New York; Leaves; Bagging; Collection; Composting; Costs; Waste utilization

143 NAL Call No: SB476.G7
Leaves--from trash to cash.
Comery, W.R.
Overland Park, Kan. : Intertec Publishing Corporation; 1989 Sep.
Grounds maintenance v. 24 (9): p. 20, 22. ill; 1989 Sep.

Language: English

Descriptors: Leaves; Plant residues; Composts

144 NAL Call No: SF91.I568 1987
Liquid/solid separation tests on beef cattle liquid manure.
Chiumenti, R.; Donantoni, L.; Guercini, S.
St. Joseph, Mich.? : The Society; 1987.
Latest developments in livestock housing : Seminar of the 2nd Technical Section of the C.I.G.R. / Univ of Illinois, Urbana-Champaign, Illinois, USA, June 22-26, 1987 ; hosted by American Society of Agricultural Engineers. p. 34-44. ill; 1987. (Reports / International Commission of Agricultural Engineering). Includes references.

Language: English

Descriptors: Italy; Beef cattle; Liquid manures; Feedlot effluent; Centrifugation; Filtration; Performance; Composting; Waste disposal; Equipment

145 NAL Call No: 1.962 C5T71
The long-term effect of a single application of horse manure on soil pH.
Bickelhaupt, D.H.
Washington, D.C. : The Service; 1989.
Tree planters' notes - U.S. Department of Agriculture, Forest Service v. 40 (1): p 31-33; 1989. Includes references.

Language: English

Descriptors: New York; Coniferae; Forest nurseries; Horse manure; Composts; Liming; Soil pH; Residual effects; Application methods; Seedlings; Performance

146 NAL Call No: S661.C65
Machinery aspects of compost making.
Martegani, A.D.; Zoglia, M.
London : Elsevier Applied Science Publishers; 1985.
Composting of agricultural and other wastes / edited by J.K.R. Gasser. p. 89-110. ill; 1985. Includes 8 references.

Language: English

Descriptors: Composting; Handling machinery; Waste disposal; Waste utilization; Systems analysis

147 NAL Call No: SF203.D9 1983
Manure management.
Fairbank, W.C.
Philadelpha : Lea & Febiger; 1983.
The Feedlot / edited by G.B. Thompson and Clayton C. O'Mary. p. 197-212. ill; 1983. Includes references.

Language: English

Descriptors: USA; Beef cattle; Feedlots; Cattle manure; Waste disposal; Pollution; Regulations; Composting; Application to land

148 NAL Call No: 100 N465R
The market for composted manure from a large scale methane plant in southern New Mexico.
Clevenger, T.; Kraenzel, D.G.
Las Cruces, N.M. : The Station; 1985 May.
Research report - New Mexico University, College of Agriculture and Home Economics, Agricultural Experiment Station (566): 11 p. maps; 1985 May. Includes references.

Language: English

Descriptors: New Mexico; Cattle manure; Composts; Markets; Marketing

149 NAL Call No: 57.8 C734
Marketing analysis for solid waste compost.
Steeves, A.L.; Jagoe, L.; Viraraghavan, T.; Landine, R.C.
Emmaus, Pa. : J.G. Press; 1985 Jul.

BioCycle v. 26 (5): p. 40, 42-43; 1985 Jul.

Language: English

Descriptors: Refuse compost; Solid waste; Marketing; Recycling

150 NAL Call No: 57.8 C734
Material balance of the composting process.
Obrist, W.
Emmaus, Pa. : J.G. Press; 1987 Feb.
BioCycle v. 28 (2): p. 32-33; 1987 Feb.

Language: English

Descriptors: Switzerland; Composting; Agricultural wastes; Kitchen waste; Waste disposal

151 NAL Call No: 57.8 C734
Maturity assessment in food waste compost.
Mooijman, K.A.; Lustenhouwer, H.W.A.
Emmaus, Pa. : J.G. Press; 1987 Feb.
BioCycle v. 28 (2): p. 34-35; 1987 Feb. Includes references.

Language: English

Descriptors: Netherlands; Composting; Composts; Food wastes; Waste disposal

152 NAL Call No: 57.8 C734
Maturity evaluation of organic waste.
Saviozzi, A.; Levi-Minzi, R.; Riffaldi, R.
Emmaus, Pa. : J.G. Press; 1988 Mar.
BioCycle v. 29 (3): p. 54-56; 1988 Mar. Includes references.

Language: English

Descriptors: Organic compounds; Wastes; Composting; Maturity; Stability; Evaluation

153 NAL Call No: SF5.W6 1983
Maturity of cattle waste compost : decomposition of organic matter during the composting.
Harada, Y.; Haga, K.
Tokyo, Japan : Japanese Society of Zootechnical Science; 1983.
New strategies for improving animal production for human welfare : proceedings / the Fifth World Conference on Animal Production, August 14-19, 1983. v. 2 p. 833-834; 1983. Includes references.

Language: English

Descriptors: Cattle manure; Composts; Maturity; Composting; Organic fertilizers; Decomposition

154 NAL Call No: SF5.W6 1983
Maturity of cattle waste compost: characterization by biochemical oxygen demand.
Haga, K.; Harada, Y.
Tokyo, Japan : Japanese Society of Zootechnical Science; 1983.
New strategies for improving animal production for human welfare : proceedings / the Fifth World Conference on Animal Production, August 14-19, 1983. v. 2 p. 831-832; 1983. Includes references.

Language: English

Descriptors: Cattle manure; Maturity; Composts; Composting; Oxygen requirement

155 NAL Call No: QH540.S7
Microarthropods in household refuse composts with particular reference to oribatid mites.
Beckman, M.
Copenhagen K : Munksgaard International Booksellers and Publishers; 1988.
Ecological bulletins v. 39: p. 33-34; 1988. In the series analytic: Ecological implications of contemporary agriculture / edited by H. Eijsackers and A. Quispel. Proceedings of a Symposium held Sept 7-12, 1986, Wageningen, Netherlands. Includes references.

Language: English

Descriptors: Refuse compost; Arthropods; Soil fauna; Acari; Population dynamics

156 NAL Call No: QH84.8.B46
Microbial, chemical and physical changes during composting of a eucalyptus (Eucalyptus calophylla and Eucalyptus diversicolor) bark mix.
Hardy, G.E.S.J.; Sivasithamparam, K.
Berlin : Springer International; 1989 Oct.
Biology and fertility of soils v. 8 (3): p. 260-270; 1989 Oct. Includes references.

Language: English

Descriptors: Western australia; Soil bacteria; Soil fungi; Microbial activities; Plant diseases; Bark composts; Composting; Disease control; Eucalyptus calophylla; Eucalyptus diversicolor

157 NAL Call No: QH84.8.I57 1985
Microfloral and biochemical changes during various phases of mushroom composting and mushroom growth.
Kanazawa, S.; Tsuru, S.
Budapest : Akademiai Kiado; 1987.
Proceedings of the 9th International Symposium

on Soil Biology and Conservation of the Biosphere / edited by J. Szegi. p. 553-561; 1987. Includes references.

Language: English

Descriptors: Japan; Agaricus bisporus; Biochemistry; Composting; Enzymes; Manures; Mushroom compost; Rice straw; Soil flora

158 NAL Call No: S1.S68
Mineralization and humification of plant remains in sward podzolic soil with different degrees of cultivation.
Pestryakov, V.K.; Popov, A.I.; Tsyplenkov, V.P.
New York, N.Y. : Allerton Press; 1988.
Soviet agricultural sciences (10): p. 25-29; 1988. Translated from: Vsesoiuznaia akademiia sel'skokhoziaistvennykh nauk, Doklady, (10), 1988, p. 17-21. (20 AK1). Includes references.

Language: English; Russian

Descriptors: Podzolic soils; Mineralization; Humus; Plant residues; Organomineral complexes; Composting; Manures; Phleum pratense; Sand

159 NAL Call No: S592.85.I5 1983
Mineralization of nitrogen and phosphorus applied to soils as manure composted manure.
Chesnin, L.
Rehovot : Hebrew University of Jerusalem, Faculty of Agriculture, [1984?]; 1984.
Proceedings of the Second International Symposium Peat in Agriculture and Horticulture / edited by K.M. Schallinger. p. 383; 1984. Includes abstract.

Language: English

Descriptors: Nebraska; Cattle manure; Straw; Composts; Soil amendments; Nitrogen; Phosphorus; Mineralization; Soil fertility

160 NAL Call No: 57.8 C734
Minimizing the cost of leaf composting.
Derr, D.A.; Dhillon, P.S.
Emmaus, Pa. : J.G. Press; 1989 Apr.
BioCycle v. 30 (4): p. 45-48. ill; 1989 Apr. Includes references.

Language: English

Descriptors: Leaves; Composting; Operating costs; Cost benefit analysis; Waste utilization; Yards; Plant residues; Windrowing

161 NAL Call No: 57.8 C734
Minnesota expands recycling potential.
Emmaus, Pa. : J.G. Press; 1986 Sep.
BioCycle v. 27 (8): p. 29. ill; 1986 Sep.

Language: English

Descriptors: Minnesota; Leaves; Lawns and turf; Composting; Application to land; Organic fertilizers

162 NAL Call No: 57.8 C734
More haulers adopt composting.
Emmaus, Pa. : J.G. Press; 1988 Jan.
BioCycle v. 29 (1): p. 36-37. ill; 1988 Jan.

Language: English

Descriptors: Michigan; Pennsylvania; Composting; Solid waste; Waste disposal; Recycling; Transport costs

163 NAL Call No: 57.8 C734
More sense than burning: leaves get new look in Michigan.
Logsdon, G.
Emmaus, Pa. : J.G. Press; 1987 May.
BioCycle v. 28 (5): p. 34-35; 1987 May.

Language: English

Descriptors: Michigan; Leaves; Composting; Waste disposal

164 NAL Call No: QR115.D4
Mushrooms from waste materials.
Senyah, J.K.
London : Elsevier Applied Science Publishers; 1988.
Developments in food microbiology v. 4: p. 1-22. ill; 1988. Includes references.

Language: English

Descriptors: Mushrooms; Mushroom compost; Waste utilization; Cellulose; Hemicellulose; Lignin

165 NAL Call No: 1.9 P69P
Nature of suppression of Fusarium wilt of radish in a container medium amended with composted hardwood bark.
Trillas-Gay, M.I.; Hoitink, H.A.J.; Madden, L.V.
St. Paul, Minn. : American Phytopathological Society; 1986 Nov.
Plant disease v. 70 (11): p. 1023-1027; 1986 Nov. Includes references.

Language: English

Descriptors: Ornamental plants; Wilting; Bark composts; Hardwoods; Containers; Soil amendments; Suppression; Antagonists; Disease control; Biological control; Quantitative analysis

166 NAL Call No: 57.8 C734
New solutions to mountains of manure.
Emmaus, Pa. : J.G. Press; 1989 Apr.
BioCycle v. 30 (4): p. 44; 1989 Apr.

Language: English

Descriptors: Animal manures; Problem solving; Composting; Innovation adoption; Waste utilization

167 NAL Call No: S604.5.E58
Nitrates in relation to composting and use of farmyard manures.
Ott, P.; Hansen, S.; Vogtmann, H.
New York : Praeger; 1983.
Environmentally sound agriculture : selected papers, 4th conference, International Federation of Organic Agriculture Movements, Cambridge, Mass., August 18-20, 1982 / edited by William Lockeretz. p. 145-154; 1983. Includes 6 references.

Language: English

Descriptors: Farmyard manure; Composting; Nitrates; Leaching; Environmental pollution; Field experimentation

168 NAL Call No: S589.7.N48
Nitrogen in the composting greenhouse.
Schonbeck, M.
East Falmouth, Mass. : New Alchemy Institute; 1987.
New alchemy quarterly (29): p. 18-19. ill; 1987.

Language: English

Descriptors: Massachusetts; Greenhouses; Carbon dioxide; Composting; Heat; Manures; Nitrogen; Problem analysis

169 NAL Call No: S605.5.B5
Nitrogen response of maize to fresh and composted manure.
Brinton, W.F. Jr
Berkhamsted : A B Academic Publishers; 1985.
Biological agriculture and horticulture v. 3 (1): p. 55-64; 1985. Includes references.

Language: English

Descriptors: Zea mays; Cattle manure; Composts; Nitrogen response; Growth; Crop yield; Nitrogen content; Nitrogen uptake; Decomposition

170 NAL Call No: FICHE S-72
Odor control from poultry manure composting plant using a soil filter.
Sweeten, J.M.; Childers, R.E. Jr; Cochran, J.S.
St. Joseph, Mich. : The Society; 1988.
American Society of Agricultural Engineers (Microfiche collection) (fiche no. 88-4050): 41 p. maps; 1988. Paper presented at the 1988 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. Includes references.

Language: English

Descriptors: Poultry manure; Composting; Odor abatement; Ammonia; Composition

171 NAL Call No: TD930.A32
On the use of biological and chemical indexes for determining agricultural compost maturity: extension to the field scale.
Godden, B.; Penninckx, M.J.; Castille, C.
London : Elsevier Applied Science Publishers; 1986.
Agricultural wastes v. 15 (3): p. 169-178; 1986. Includes references.

Language: English

Descriptors: Composts; Cattle manure; Composting; Maturation; Biochemistry; Indexes; Age determination

172 NAL Call No: 57.8 C734
On-farm composting of lake weeds.
Spencer, B.
Emmaus, Pa. : J.G. Press; 1988 May.
BioCycle v. 29 (5): p. 54-55. ill; 1988 May.

Language: English

Descriptors: Zea mays; Soil amendments; Aquatic weeds; Composting; Innovations

173 NAL Call No: 57.8 C734
Ontario implements composting programs.
McFarlane, P.
Emmaus, Pa. : J.G. Press; 1990 Jan.
BioCycle v. 31 (1): p. 32-34. ill; 1990 Jan.

Language: English

Descriptors: Ontario; Composting; Composts; Leaves; Litter (plant); Food wastes; Households; Domestic production

174 NAL Call No: TD930.A32
Optimizing variables affecting composting of blue crab scrap.
Cathcart, T.P.; Wheaton, F.W.; Brinsfield, R.B.
London : Elsevier Applied Science Publishers; 1986.
Agricultural wastes v. 15 (4): p. 269-287. ill; 1986. Includes references.

Language: English

Descriptors: Maryland; Composting; Crabs; Solid waste; Fertilizers; Nutritive value; Regression analysis; Models; Carbon dioxide; Nitrogen content

175 NAL Call No: 26 L53
Organic manure substrates and their effect on early weed incidence, earthworm activities, and microbial population.
Asiegbu, J.E.
Leipzig, East Ger. : Karl-Marx-Universitat; 1984.
Beitrage zur tropischen Landwirtschaft und Veterinarmedizin v. 22 (4): p. 371-376; 1984. Includes references.

Language: English

Descriptors: Nigeria; Animal manures; Cassava peel; Composts; NPK fertilizers; Biological activity in soil; Oligochaeta; Population density; Soil bacteria; Soil fungi; Weeds

176 NAL Call No: S494.5.E547
Organic materials as alternative nutrient sources.
Parr, J.F.; Colacicco, D.
Amsterdam : Elsevier; 1987.
Energy in world agriculture v. 2: p. 81-99. ill; 1987. In the series analytic: Energy in plant nutrition and pest control / edited by Z.R. Helsel. Includes references

Language: English

Descriptors: Organic fertilizers; Waste utilization; Soil conditioners; Composting; Energy relations

177 NAL Call No: 56.9 SO32
Organic phosphorus content of Pahokee muck and Spodosols in Florida.
Fiskell, J.G.A.; Nicholson, I.K.
S.l. : The Society; 1986.
Proceedings - Soil and Crop Science Society of Florida v. 45: p. 6-11; 1986. Includes references.

Language: English

Descriptors: Florida; Spodosols; Muck soils; Organic phosphorus compounds; Kitchen waste; Composts; Organic matter in soil; Soil management; Microbial activities

178 NAL Call No: S592.85.I5 1983
Organic residues and composts as growth media for plants.
Hoitink, H.A.J.; Kuter, G.A.
Rehovot : Hebrew University of Jerusalem, Faculty of Agriculture, [1984?]; 1984.
Proceedings of the Second International Symposium Peat in Agriculture and Horticulture / edited by K.M. Schallinger. p. 293-295; 1984.

Language: English

Descriptors: Growing media; Composts; Pine bark; Soil biology

179 NAL Call No: TP360.G57
Organic waste stabilization throughout composting and its compatibility with agricultural uses.
Zucconi, F.; Bertoldi, M. de
Boca Raton, Fla. : CRC; 1987.
Global bioconversions / editor, Donald L. Wise. v. 3 p. 109-137. ill; 1987. Includes references.

Language: English

Descriptors: Organic compounds; Wastes; Waste utilization; Soil amendments; Composting; Stabilizing; Quality

180 NAL Call No: 57.8 C734
Perfect answer in New Jersey.
Emmaus, Pa. : J.G. Press; 1986 Sep.
BioCycle v. 27 (8): p. 26-28. ill; 1986 Sep. Includes references.

Language: English

Descriptors: New Jersey; Leaves; Composting; Application to land; Collection; Organic fertilizers

181 NAL Call No: 104 N762M
Physical and chemical characteristics of some bark composts with emphasis on N-requirement when growing lettuce.
Gislerod, H.R.; Sant, M.D.; Selmer-Olsen, A.R.; Solbraa, K.
As : Det Universitet; 1985.
Meldinger fra Norges landbrukshogskole; Scien-

tific reports of the Agricultural University of Norway v. 64 (10): 11 p.; 1985. Includes references.

Language: English

Descriptors: Lactuca sativa; Bark composts; Nitrogen; Chemical analysis

182 **NAL Call No: S605.5.O74**
Plan for organic.
Shirley, C.
Emmaus, Pa. : Rodale Press, Inc; 1990 Feb.
Organic gardening v. 37 (2): p. 42-46. ill; 1990 Feb.

Language: English

Descriptors: Organic farming; Alternative farming; Domestic gardens; Site preparation; Composts; Mulching; Pest control; Costs

183 **NAL Call No: S661.C65**
Plant pathogen survival during the composting of agricultural organic wastes.
Lopez-Real, J.; Foster, M.
London : Elsevier Applied Science Publishers; 1985.
Composting of agricultural and other wastes / edited by J.K.R. Gasser. p. 291-300; 1985. Includes 10 references.

Language: English

Descriptors: Agricultural wastes; Composting; Plant pathogens; Inactivation; Survival; Temperatures; Microbial degradation

184 **NAL Call No: FICHE S-72**
Poultry manure composting; system design.
Hansen, R.C.; Keener, H.M.; Hoitink, H.A.J.
St. Joseph, Mich. : The Society; 1988.
American Society of Agricultural Engineers (Microfiche collection) (fiche no. 88-4049): 21 p. ill; 1988. Paper presented at the 1988 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. Includes references.

Language: English

Descriptors: Poultry manure; Composting; Amendments; Mixing; Nitrogen retention

185 **NAL Call No: S661.C65**
Practical experience with farm scale systems.
Biddlestone, A.J.; Gray, K.R.
London : Elsevier Applied Science Publishers; 1985.
Composting of agricultural and other wastes / edited by J.K.R. Gasser. p. 111-131. ill; 1985. Includes 22 references.

Language: English

Descriptors: England; Waste utilization; Pig slurry; Composting; Methodology; Mechanization; Handling machinery

186 **NAL Call No: 80 AC82**
Preparation of compost for the production of mushrooms in the Netherlands.
Gerrits, J.P.G.
Wageningen : International Society for Horticultural Science; 1985 Jun.
Acta horticulturae (172): p. 253-254; 1985 Jun. Presented at the International Symposium on the use of Composts as Horticultural Substrates, Ghent/Melle, Belgium, August 27-31, 1984. Includes references.

Language: English

Descriptors: Netherlands; Mushroom compost; Straw; Manures; Gypsum requirement

187 **NAL Call No: S605.5.B5**
Preparation of high grade compost by an enrichment technique. I. Effect of enrichment on organic matter decomposition.
Singh, C.P.
Berkhamsted : A B Academic Publishers; 1987.
Biological agriculture and horticulture : an international journal v. 5 (1): p. 41-49; 1987. Includes references.

Language: English

Descriptors: Agricultural wastes; Lignocellulose; Composts; Nitrogen; Phosphorus; Molasses; Organic matter in soil; Decomposition; Moisture content; Enrichment; Cattle manure

188 **NAL Call No: TD930.I57 1985**
Present state trends in animal farm wastes management in Romania.
Ghederim, V.; Negulescu, C.A.L.; Gueron, I.J.
St. Joseph, Mich. : American Society of Agricultural Engineers; 1985.
Agricultural waste utilization and management : proceedings of the Fifth International Symposium on Agricultural Wastes, December 16-17, 1985,

Hyatt Regency Chicago, Illinois Center, Chicago, Illinois. p. 426-430; 1985. (ASAE publication ; 13-85). Includes references.

Language: English

Descriptors: Romania; Pig slurry; Animal wastes; Application to land; Composting; Methane production; Waste disposal

189 NAL Call No: S661.C65
Principles of composting leading to maximization of decomposition rate, odor control, and cost effectiveness.
Finstein, M.S.; Miller, F.C.
London : Elsevier Applied Science Publishers; 1985.
Composting of agricultural and other wastes / edited by J.K.R. Gasser. p. 13-26; 1985. Includes 18 references.

Language: English

Descriptors: Waste utilization; Composting; Odor abatement; Methodology; Costs

190 NAL Call No: 57.8 C734
Privatizing Baltimore compost project.
Gagliardo, M.A.
Emmaus, Pa. : J.G. Press; 1986 May.
BioCycle v. 27 (5): p. 25-27, 30-32. ill; 1986 May.

Language: English

Descriptors: Maryland; Composts; Contracts; Composting; Facilities; Procurement planning; Waste disposal; Projects

191 NAL Call No: 100 Io9 no.126
The production of artificial farm manures.
Smith, Frederick B.; Stevenson, W. H.1872-; Brown, P. E.
Ames, Iowa : Agricultural Experiment Station, Iowa State College of Agriculture and Mechanic Arts; 1930.
p. 168-195 : ill. ; 22 cm. (Research bulletin ; no. 126). Bibliography: p. 195.

Language: English

Descriptors: Farm manure; Compost

192 NAL Call No: 100 F66S (1) no.415
Production of artificial manure.
Smith, Frederick B.; Thornton, G. D.1910-
Gainesville, Fla. : University of Florida Agricultural Experiment Station; 1945.
20 p. : ill., plan ; 23 cm. (Bulletin / University of Florida. Agricultural Experiment Station ; no. 415). Cover title.

Language: English

Descriptors: Compost

193 NAL Call No: 80 AC82
Properties of substrate made with spent mushroom compost.
Lemaire, F.; Dartigues, A.; Riviere, L.M.
Wageningen : International Society for Horticultural Science; 1985 Jun.
Acta horticulturae (172): p. 13-29; 1985 Jun. Presented at the International Symposium on the use of Composts as Horticultural Substrates, Ghent/Melle, Belgium, August 27-31, 1984. Includes references.

Language: English

Descriptors: France; Mushroom compost; Growing media; Mixtures; Waste utilization

194 NAL Call No: 57.8 C734
Putting crab wastes to use.
Cato, J.C.
Emmaus, Pa. : J.G. Press; 1989 Nov.
BioCycle v. 30 (11): p. 38; 1989 Nov.

Language: English

Descriptors: Florida; Crab waste; Composting; Waste utilization; Recycling

195 NAL Call No: S1.S68
Qualitative composition of organic matter when composting plant remains with sward-podzolic soil cultivated to different extents.
Pestryakov, V.K.; Tsyplenkov, V.P.; Kovsh, N.N.; Popov, A.I.; Chukov, S.N.
New York, N.Y. : Allerton Press; 1987.
Soviet agricultural sciences (6): p. 17-21; 1987. Translated from: Vsesoiuznaia akademiia sel'skokhoziaistvennykh nauk, Doklady, (6), 1987, p. 12-15. (20 AK1). Includes references.

Language: English; Russian

Descriptors: Podzolic soils; Organic matter in soil; Plant residues; Composting

196 NAL Call No: TP370.5.S94
A qualitative method for assessing humus condition.
Brinton, W.F. Jr
Westport, Conn. : AVI Pub. Co; 1983.
Sustainable food systems / edited by Dietrich

Knorr. p. 382-393. ill; 1983. Includes references.

Language: English

Descriptors: USA; Canada; Humus; Chromatography; Composts; Humic acids; Poultry manure; Soil testing

197 **NAL Call No: 57.8 C734**
Recycling leaves: the multi-use approach.
Logsdon, G.
Emmaus, Pa. : J.G. Press; 1989 Sep.
BioCycle v. 30 (9): p. 40-42. ill; 1989 Sep.

Language: English

Descriptors: Leaves; Composting; Recycling

198 **NAL Call No: QH301.A43**
Recycling of crop residues--recent trends in India.
Gaur, A.C.
New York, N.Y. : Consultants Bureau; 1987 Jan.
Biology bulletin of the Academy of Sciences of the USSR v. 13 (2): p. 110-118; 1987 Jan. Translated from: Akademiia nauk SSSR, Izvestiia, Seriia biologicheskaia, v. 13 (2), 1986, p. 210-217. (511 SA2B). Includes references.

Language: English; Russian

Descriptors: India; Crop residues; Incorporation; Soil fertility; Composting

199 **NAL Call No: 57.8 C734**
Recycling plant materials.
Bergeron, A.T.
Emmaus, Pa. : J.G. Press; 1988 Feb.
BioCycle v. 29 (2): p. 29. ill; 1988 Feb.

Language: English

Descriptors: California; Composts; Plant residues; Recycling; Waste utilization; Costs; Quality controls

200 **NAL Call No: SF597.E3E2**
Reproduction and biomass of Eisenia foetida in domestic waste.
Huhta, V.; Haimi, J.
The Hague : SPB Academic Publishing; 1988.
Earthworms in waste and environmental management / edited by Clive A. Edwards and Edward F. Neuhauser. p. 65-69; 1988. Includes references.

Language: English

Descriptors: Finland; Oligochaeta; Households; Waste treatment; Composting; Winter; Summer; Sampling techniques; Cultural methods

201 **NAL Call No: TD930.A32**
The responses of edible crops treated with extracts of refuse compost of different ages.
Wong, M.H.; Chu, L.M.
London : Elsevier Applied Science Publishers; 1985.
Agricultural wastes v. 14 (1): p. 63-74; 1985. Includes references.

Language: English

Descriptors: Brassica chinensis; Daucus carota; Lycopersicon esculentum; Composts; Fertilizers; Seed germination; Root analysis

202 **NAL Call No: 57.8 C734**
Revival time for composting food industry wastes.
Riggle, D.
Emmaus, Pa. : J.G. Press; 1989 May.
BioCycle v. 30 (5): p. 35-37; 1989 May.

Language: English

Descriptors: Washington; Food industry; Food wastes; Composting; Waste utilization; Windrowing; Composts

203 **NAL Call No: S605.5.R64**
The right stuff.
Burnett, J.
Emmaus, Pa. : Rodale Press; 1988 Feb.
Rodale's organic gardening v. 35 (2): p. 64-65, 67, 70, 72, 74-77, 80, 82, 84, 86-88. ill; 1988 Feb.

Language: English

Descriptors: Cultivators; Composting; Design; Gardens

204 **NAL Call No: S605.5.B5**
Rock phosphate composting: transformation of phosphorus forms and mechanisms of solubilization.
Mishra, M.M.; Bangar, K.C.
Berkhamsted : A B Academic Publishers; 1986.
Biological agriculture and horticulture v. 3 (4): p. 331-340; 1986. Includes references.

Language: English

Descriptors: India; Rock phosphate; Composting; Solubilizing; Organic acids; Farmyard manure; Phosphorus uptake; Crop yield

205 **NAL Call No: 464.8 P56**
The role of microbial activity in suppression of

damping-off caused by Pythium ultimum.
Chen, W.D.; Hoitink, H.A.J.; Schmitthenner, A.F.; Tuovinen, O.H.
St. Paul, Minn. : American Phytopathological Society; 1988 Mar.
Phytopathology v. 78 (3): p. 314-322; 1988 Mar. Includes references.

Language: English

Descriptors: Cucumis sativus; Pythium ultimum; Damping off; Suppression; Microbial activities; Bark; Composts; Quercus

206 **NAL Call No: 57.8 C734**
Scranton expands compost facility.
Elliott, J.C.; Polidori, A.J.
Emmaus, Pa. : J.G. Press; 1988 Jan.
BioCycle v. 29 (1): p. 44-48. ill; 1988 Jan.

Language: English

Descriptors: Pennsylvania; Composting; Composts; Facilities; Projects; Solid waste; Waste treatment; Costs; Economic analysis

207 **NAL Call No: S605.5.I45 1984**
Separated collection and utilization of organic household wastes--a modern recycling system.
Vogtmann, H.; Fricke, K.; Turk, T.
Witzenhausen : Verlagsgruppe Witzenhausen; 1986.
The importance of biological agriculture in a world of diminishing resources : proc of the 5th IFOAM Int Scientific Conference at the Univ of Kassel (Germany), Aug 27-30, 1984 / H. Vogtmann, E. Boehncke, I. Fricke, eds. p. 85-97; 1986. Includes references.

Language: English

Descriptors: German federal republic; Waste utilization; Solid waste; Residential areas; Composting; Recycling; Composts; Nutrient contents; Cost benefit analysis

208 **NAL Call No: 57.8 C734**
Slurry composting options.
Gonzalez, J.L.; Medina, M.; Benitez, I.C.
Emmaus, Pa. : J.G. Press; 1989 Jul.
BioCycle v. 30 (7): p. 53-55; 1989 Jul. Includes references.

Language: English

Descriptors: Spain; Pig slurry; Poultry manure; Cattle manure; Clay soils; Mixtures; Composting; Aerobic treatment; Composts; Chemical composition; Nitrates

209 **NAL Call No: Videocassette no.604**
Soil makes the garden with Win Way.
Way, Win
Natural Organic Farmers Association
Barre, MA : Natural Organic Farmers Association; 1988.
1 videocassette (90 min.) : sd., col. ; 1/2 in. VHS.
Title from cassette label. Videotape of a lecture.

Language: English

Descriptors: Plant-soil relationships; Organic gardening; Compost

210 **NAL Call No: Q1.A115**
Solid state fermentation: an appropriate biotechnology for developing countries.
Carrizales, V.; Jaffe, W.
Caracas, Venezuela : Pergamon Press; 1986 Jan.
Interciencia v. 11 (1): p. 9-15, 50-52. ill., maps; 1986 Jan. Includes references.

Language: English

Descriptors: Developing countries; Foods; Solid waste; Fermentation; Biotechnology; Fungi; Appropriate technology; Composting; Energy sources; Biomass

211 **NAL Call No: 57.8 C734**
Solid waste composting facilities.
Goldstein, N.; Spencer, B.
Emmaus, Pa. : J.G. Press; 1990 Jan.
BioCycle v. 31 (1): p. 36-39; 1990 Jan.

Language: English

Descriptors: Composting; Composts; Solid waste; Operations; Markets

212 **NAL Call No: 57.8 C734**
Solid waste composting gains new energy.
Goldstein, N.
Emmaus, Pa. : J.G. Press; 1986 Aug.
BioCycle v. 27 (7): p. 21-25. ill; 1986 Aug.

Language: English

Descriptors: USA; Solid waste; Composting; Rural areas; Projects

213 **NAL Call No: 57.8 C734**
Solid waste composting in Egypt.
Hughes, E.G.
Emmaus, Pa. : J.G. Press; 1986 Mar.
BioCycle v. 27 (3): p. 26-27. ill; 1986 Mar.

Language: English

Descriptors: Egypt; Wastes; Composting; Waste disposal; Waste utilization

214 **NAL Call No: 57.8 C734**
Solid waste composting in the U.S.
Goldstein, N.
Emmaus, Pa. : J.G. Press; 1989 Nov.
BioCycle v. 30 (11): p. 32-37. ill; 1989 Nov.

Language: English

Descriptors: USA; Composting; Solid waste; Waste utilization; Projects; Trends

215 **NAL Call No: 57.8 C734**
Solid waste composts as growing media.
Fitzpatrick, G.E.
Emmaus, Pa. : J.G. Press; 1989 Sep.
BioCycle v. 30 (9): p. 62, 64; 1989 Sep. Includes references.

Language: English

Descriptors: Solid waste; Composting; Growing media; Murraya; Nerium oleander; Roystonea regia

216 **NAL Call No: 56.9 SO3**
Solid-state carbon-13 nuclear magnetic resonance and infrared spectroscopy of composted organic matter.
Inbar, Y.; Chen, Y.; Hadar, Y.
Madison, Wis. : The Society; 1989 Nov.
Soil Science Society of America journal v. 53 (6): p. 1695-1701; 1989 Nov. Includes references.

Language: English

Descriptors: Composts; Cattle manure; Nuclear magnetic resonance spectros; Infrared spectroscopy; Chemical analysis; Decomposition

Abstract: Use of stabilized composts as horticultural container media has been a fruitful and desirable alternative in utilization of agricultural wastes. We prepared compost from cattle manure and investigated the products at various stages of the composting process. The objectives of this work were to measure, quantify and correlate changes in the organic constituents of separated cattle manure (CSM--the solid fraction obtained by centrifugal separators from a slurry of cattle manure) during composting by using both chemical and spectroscopical analytical methods. This research should provide the information necessary for the establishment of maturity indexes for CSM. Carbon-13 NMR spectra acquired with Cross-Polarization Magic Angle Spinning (CPMAS) and infrared spectra measured with a Fourier-Transform InfraRed spectrophotometer (FTIR) were applied to bulk CSM samples without extraction. Both methods confirmed the presence of appreciable amounts of carbohydrates throughout the composting process. During the process the level of carbohydrates decreased while levels of alkyl C, aromatic C, and carboxyl groups increased. The higher rate of decomposition of the carbohydrates resulted in the accumulation of modified lignin. Changes in FTIR absorbance ratios of several distinct peaks were linearly and significantly correlated with various parameters of compost maturity. Crude fiber analyses showed lower concentrations of soluble organic matter, hemicellulose and cellulose while that of lignin increased. Cation exchange capacity increased from 63 to 181 cmol/kg OM, and humic substances content increased markedly from 38 to 71% of the organic matter, while the C/N ratio decreased from 27.1:1 to 8.7:1 during the 147-d composting process. The proposed spectrometric procedures using CPMAS 13C-NMR and FTIR measurements directly on decomposing organic matter without extraction, provide information exhibiting significant correlations with more conventional chemical parameters of comp

217 **NAL Call No: 4 AM34P**
Solubility of plant-food elements as modified by fertilizers.
Jensen, C.A.
Madison, Wis. : American Society of Agronomy; 1916 Mar.
Agronomy journal v. 8 (2): p. 100-105; 1916 Mar. Includes references.

Language: English

Descriptors: Colorado; Beta vulgaris; Fertilizer application; Plant nutrition; Nutrient availability; Solubility

Abstract: The plots receiving composted manure showed nearly twice as much water-soluble potash in the surface foot as any of the other plots. The seasonal averages of this element were not influenced by any other fertilizer treatment. There was a general decrease in the quantity of water-soluble potash from the middle of May till about the middle of July. After that time, the quantity increased to approximately the amount found earlier

in the season. Plots receiving nitrate, superphosphate, and composted manure all showed less water-soluble P2O2 then the checks. None of the fertilizer treatments resulted in a marked increase in water-soluble phosphate, though cyanamid, bone meal, and manure plus ammonium sulfate caused a small increase. The variation in water-soluble phosphorus from week to week was less than any other element measured. Taking account of the sulfur added in the various fertilizers, none of the treatments apparently had any marked influence in rendering the sulfates in the soil more soluble in water. There was a decrease in the amount of soluble SO3 from the early part of the season till the latter part of July, corresponding in general to the seasonal decrease in soluble potash. The amounts of water-soluble manganese were very small and disappeared entirely after the middle of June. The plots receiving nitrate, composted manure, waste lime, and manure plus ammonium sulfate, showed the highest manganese content. It is remarked from results of the yields and other data not presented in this paper that the sugar beets grown on plots showing highest amounts of water-soluble manganese and sulfur gave the highest yields and most sugar per acre.

218 NAL Call No: 57.8 C734
Solving the problems of mushroom compost.
Logsdon, G.
Emmaus, Pa. : J.G. Press; 1988 Nov.
BioCycle v. 29 (10): p. 54-55. ill; 1988 Nov.

Language: English

Descriptors: Mushroom compost; Problem solving; Production costs; Composting; Horse manure; Hay

219 NAL Call No: SB299.P3D4
Spent compost as a carrier for bacterial inoculant production.
Bahl, N.; Jauhri, K.S.
Amsterdam : Elsevier Scientific Pub. Co; 1987.
Developments in crop science v. 10: p. 63-68; 1987.
In the series analytic: Cultivating edible fungi / edited by P.J. Wuest, D.J. Royse and R.B. Beelman. Proceedings of an International Symposium, July 15-17, 1986, University Park, Pennsylvania. Includes references.

Language: English

Descriptors: India; Mushroom compost; Waste utilization; Inoculant carriers; Azotobacter; Rhizobium; Storage; Duration; Survival

220 NAL Call No: QL391.N4J62
Steinernema feltiae (DD-136) and Steinernema glaseri: persistence in soil and bark compost and their influence on native nematodes.
Ishibashi, N.; Kondo, E.
Raleigh, N.C. : Society of Nematologists; 1986 Jul.
Journal of nematology v. 18 (3): p. 310-316; 1986 Jul. Includes 18 references.

Language: English

Descriptors: Steinernematidae; Nematoda; Biological control organisms; Spodoptera litura; Galleria mellonella; Parasites of insect pests; Soil fauna; Survival; Infectivity; Bark composts; Soil sterilization

221 NAL Call No: SB950.A2B74
Stimulation of fungal control of mycophagous nematodes and weed moulds in mushroom compost.
Grewal, P.S.
London : British Crop Protection Council; 1988.
Proceedings of the ... British Crop Protection Conference-Pests and Diseases v. 3: p. 1199-1204; 1988. Includes references.

Language: English

Descriptors: Mushroom compost; Plant parasitic nematodes; Aphelenchoides composticola; Molds; Verticillium fungicola; Biological control organisms; Paecilomyces; Penicillium; Antibiotics; Plant residues; Leaves; Soil incorporation methods; Agaricus bisporus; Yield increases

222 NAL Call No: SB599.B73
Straw as a fermentation raw material.
Lynch, J.M.
Croydon : The Council; 1985.
Monograph - British Crop Protection Council (32): p. 35-41; 1985. Includes references.

Language: English

Descriptors: Straw; Fermentation; Waste utilization; Substrates; Mushroom compost; Single cell proteins; Biomass; Feed products; Chemicals

223 NAL Call No: 57.8 C734
Straw-based techniques for composting.
Biddlestone, A.J.; Gray, K.R.; Cooper, D.J.
Emmaus, Pa. : J.G. Press; 1986 Mar.
BioCycle v. 27 (3): p. 40-44. ill; 1986 Mar. Includes references.

Language: English

Descriptors: England; Manures; Slurries; Straw; Composting; Waste disposal; Rural areas

224 NAL Call No: S671.H28
A study on the improvement of animal waste composting operations in Korea.
Hong, J.H.; Matsuda, J.; Ikeuchi, Y.
Suwon : The Society; 1984 Jun.
Nongop Kigye Hakhoe chi; Journal of the Korean Society for Agricultural Machinery v. 9 (1): p. 62-70. ill; 1984 Jun. Includes 10 references.

Language: English

Descriptors: Korea republic; Animal wastes; Pollution by agriculture; Waste disposal; Composting; Farm surveys; Statistics

225 NAL Call No: 448.3 M582AE
Succession of microbial complexes during breakdown of wood residues.
Mun, T.K.; Pimenov, E.P.; Imranova, E.L.
New York, N.Y. : Consultants Bureau; 1988 Nov.
Microbiology 57 (3): p. 396-399; 1988 Nov. Translated from: Microbiologiya, v. 57, (3), p. 472-475. (448.3 M582). Includes references.

Language: English; Russian

Descriptors: Wood residues; Composts; Microbial activities; Lignin; Degradation

226 NAL Call No: SB353.P42
Supplementation with vegetable oils before Phase II of composting.
Schisler, L.C.
University Park, PA : Pennsylvania State University, College of Agriculture; 1982.
Penn State handbook for commercial mushroom growers : a compendium of scientific and technical information useful to mushroom farmers / science editor, Paul J. Wuest ; production editor, Glenn D. Bengtson. p. 41-42. ill; 1982.

Language: English

Descriptors: Commercial farming; Mushrooms; Composting; Mushroom compost; Supplements; Vegetable oils; Yield increases

227 NAL Call No: 44.8 J822
Survival of coliform bacteria in static compost piles of dairy waste solids intended for freestall bedding.
Mote, C.R.; Emerton, B.L.; Allison, J.S.; Dowlen, H.H.; Oliver, S.P.
Champaign, Ill. : American Dairy Science Association; 1988 Jun.
Journal of dairy science v. 71 (6): p. 1676-1681; 1988 Jun. Includes references.

Language: English

Descriptors: Farm dairies; Cattle manure; Solid waste; Composts; Coliform bacteria; Coliform count; Litter; Loose housing

228 NAL Call No: TRANSL 33511
Survival of pathogenic microorganisms in composted abattoir waste III. Swine fever virus = Przezywalnosc drobnoustrojow chorobotworczych w kiszonkach z ubocznych produktow ubojowych : III. Wirus pomoru swin. (Przezywalnosc drobnoustrojow chorobotworczych w kiszonkach z ubocznych produktow ubojowych.)
Prost, E.
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Language: English

229 NAL Call No: S661.C65
Technological aspects of composting including modelling and microbiology.
Bertoldi, M. de; Vallini, G.; Pera, A.
London : Elsevier Applied Science Publishers; 1985.
Composting of agricultural and other wastes / edited by J.K.R. Gasser. p. 27-41. ill; 1985. Includes 38 references.

Language: English

Descriptors: Composting; Microbial activities; Waste utilization; Models

230 NAL Call No: 57.8 C734
Temperature, pathogen control and product quality.
Bertoldi, M. de; Zucconi, F.; Civilini, M.
Emmaus, Pa. : J.G. Press; 1988 Feb.
BioCycle v. 29 (2): p. 43-47, 50. ill; 1988 Feb.

Language: English

Descriptors: Composting; Composts; Pathogens; Product quality; Temperature; Waste utilization

231 NAL Call No: S605.5.R64
Thoroughbred compost you can bet on.

Westergaard, F.
Emmaus, Pa. : Rodale Press; 1987 Feb.
Rodale's organic gardening v. 34 (2): p. 77-80. ill; 1987 Feb.

Language: English

Descriptors: Composts; Animal manures; Horses

232 NAL Call No: S605.5.B5
Tissue-culture and suckling mouse tests of toxigenicity in peat-based composts of fish and crab wastes.
Mathur, S.P.; Johnson, W.M.
Berkhamsted : A B Academic Publishers; 1987.
Biological agriculture and horticulture v. 4 (3): p. 235-242; 1987. Includes references.

Language: English

Descriptors: Peat; Crab waste; Fish scrap; Composts; Seaweeds; Toxins; Toxicity; Tissue culture; Mice; Bacteria

233 NAL Call No: 57.8 C734
To ban or not to ban.
Emmaus, Pa. : J.G. Press; 1990 Jan.
BioCycle v. 31 (1): p. 57-58; 1990 Jan.

Language: English

Descriptors: Composting; Litter (plant); Leaves; Pruning trash; Sanitary landfills; Legislation; State government

234 NAL Call No: 448.3 C33 (3)
Transformation from high-rates of manure-compost to soil organic matter in bare fallow.
Apfelthaler, R.
Jena, E. Ger. : Gustav Fischer; 1984.
Zentralblatt fur Mikrobiologie v. 139 (7): p. 491-496; 1984. Includes references.

Language: English

Descriptors: Fallow; Organic matter in soil; Manures; Composts; Humic acids; Mineralization

235 NAL Call No: 450 P696
Transformation of rock phosphate during composting and the effect of humic acid.
Bangar, K.C.; Yadav, K.S.; Mishra, M.M.
Dordrecht : Martinus Nijhoff; 1985.
Plant and soil v. 85 (2): p. 259-266; 1985. Includes 12 references.

Language: English

Descriptors: Rock phosphate; Humic acids; Composting

236 NAL Call No: 57.8 C734
Trends in yard waste composting.
Mayer, M.; Hofer, H.; Maire, U.
Emmaus, Pa. : J.G. Press; 1988 Jul.
BioCycle v. 29 (6): p. 60-62. ill; 1988 Jul. Includes references.

Language: English

Descriptors: Switzerland; Yards; Waste disposal; Composting; Heavy metals

237 NAL Call No: 57.8 C734
Two c's overcome "nimby".
York, C.E.; Laber, D.
Emmaus, Pa. : J.G. Press; 1988 Oct.
BioCycle v. 29 (9): p. 60-61; 1988 Oct.

Language: English

Descriptors: Maine; Fish scrap; Waste utilization; Composting; Development projects; Problem solving; Recycling; Cooperative activities

238 NAL Call No: 80 AC82
Use of bark, and of sod and cuttings from moorland vegetation in potting mixtures.
Boon, J. van der; Niers, H.
Wageningen : International Society for Horticultural Science; 1985 Jun.
Acta horticulturae (172): p. 55-65; 1985 Jun. Presented at the International Symposium on the use of Composts as Horticultural Substrates, Ghent/Melle, Belgium, August 27-31, 1984. Includes references.

Language: English

Descriptors: Netherlands; Growing media; Composting; Bark; Litter (plant); Moorland; Waste utilization

239 NAL Call No: TD767.P75
The use of composted agricultural waste as peat substitute in horticulture.
Chen, Y.; Hadar, Y.; Inbar, Y.
Dordrecht : D. Reidel Pub. Co; 1986.
Processing and use of organic sludge and liquid agricultural wastes : proceedings of the fourth international symposium held in Rome, 8-11 October 1985 / edited by P. L'Hermite. p. 389-392; 1986. Includes references.

Language: English

Descriptors: Agricultural wastes; Composts; Horticulture; Substrates; Container grown plants

240 NAL Call No: 80 AC82
The use of composted slurry produced by methanogenic fermentation of cow manure as a growth media.
Inbar, Y.; Chen, Y.; Hadar, Y.
Wageningen : International Society for Horticultural Science; 1985 Jun.
Acta horticulturae (172): p. 75-82; 1985 Jun. Presented at the International Symposium on the use of Composts as Horticultural Substrates, Ghent/Melle, Belgium, August 27-31, 1984. Includes references.

Language: English

Descriptors: Israel; Growing media; Composting; Cattle slurry; Fermentation wastes; Agricultural wastes; Waste utilization

241 NAL Call No: QH301.A43
Use of crop residues to increase productivity of rice on ameliorated alkaline soils.
Nelidov, S.N.; Vasil'eva, L.V.; Mishustin, E.N.
New York, N.Y. : Consultants Bureau; 1986 Jan.
Biology bulletin of the Academy of Sciences of the USSR v. 13 (1): p. 31-43. ill; 1986 Jan. Translated from: Akademiia nauk SSSR, Izvestiia, Seriia biologicheskaia, p. 43-57. (511 SA2B). Includes references.

Language: English; Russian

Descriptors: Alkaline soils; Crop residues; Oryza sativa; Straw; Composting

242 NAL Call No: S661.C65
The use of earthworms for composting farm wastes.
Edwards, C.A.; Burrows, I.; Fletcher, K.E.; Jones, B.A.
London : Elsevier Applied Science Publishers; 1985.
Composting of agricultural and other wastes / edited by J.K.R. Gasser. p. 229-242; 1985. Includes 23 references.

Language: English

Descriptors: England; Agricultural wastes; Manures; Crop residues; Composting; Microbiology; Oligochaeta; Soil amendments; Feeds of animal origin

243 NAL Call No: SB353.157 1981
The use of spent mushroom compost in vegetable production.
Male, R.T.
Sydney : [s.n.]; 1981.
Proceedings of the Eleventh International Scientific Congress on the Cultivation of Edible Fungi, Australia, 1981 / edited by N.G. Nair, A.D. Clift. v. 1 p. 111-121; 1981. Includes references.

Language: English (Summary in French; German)

Descriptors: Mushroom compost; Analysis; Waste utilization; Organic fertilizers; Vegetables; Cultivation; Yields

244 NAL Call No: S661.C65
The use of tree bark and tobacco waste in agriculture and horticulture.
Verdonck, O.; Boodt, M. de; Stradiot, P.; Penninck, R.
London : Elsevier Applied Science Publishers; 1985.
Composting of agricultural and other wastes / edited by J.K.R. Gasser. p. 203-215. ill; 1985. Includes 4 references.

Language: English

Descriptors: Belgium; Composting; Waste utilization; Bark; Tobacco stalks; Soil amendments; Agroindustrial byproducts

245 NAL Call No: SF597.E3E2
The use of worm-digested animal waste as a supplement to peat in loamless composts for hardy nursery stock.
Scott, M.A.
The Hague : SPB Academic Publishing; 1988.
Earthworms in waste and environmental management / edited by Clive A. Edwards and Edward F. Neuhauser. p. 221-229; 1988. Includes references.

Language: English

Descriptors: United Kingdom; Oligochaeta; Manures; Composting; Peat; Soil biology; Container grown plants; Performance

246 NAL Call No: 57.8 C734
Using compost in the root medium for roses.
Shanks, J.B.; Gouin, F.R.
Emmaus, Pa. : J.G. Press; 1984 Nov.
BioCycle v. 25 (8): p. 29-31. ill; 1984 Nov. Includes 9 references.

Language: English

Descriptors: Roses; Roots; Composts; Growing media; Waste disposal

247 NAL Call No: S544.3.N5F7
Using leaf compost.
Flannery, R.L.; Flower, F.B.
New Brunswick, N.J. : The Service; 1988.
FS - Cooperative Extension Service, Cook College (117): 6 p.; 1988.

Language: English

Descriptors: New Jersey; Leaf mold; Composts; Mulches; Composting; Growing media

248 NAL Call No: 57.8 C734
Utility site saves landfill space.
Ballister-Howells, P.
Emmaus, Pa. : J.G. Press; 1989 Nov.
BioCycle v. 30 (11): p. 50-53; 1989 Nov.

Language: English

Descriptors: New York; Prunings disposal; Litter (plant); Leaves; Composting; Decomposition

249 NAL Call No: SB353.157 1981
Utilization of agri-wastes for mushroom cultivation in India.
Garcha, H.S.; Sekhon, A.; Phutela, R.P.
Sydney : [s.n.]; 1981.
Proceedings of the Eleventh International Scientific Congress on the Cultivation of Edible Fungi, Australia, 1981 / edited by N.G. Nair, A.D. Clift. v. 1 p. 245-254; 1981. Includes references.

Language: English (Summary in French; German)

Descriptors: India; Mushroom compost; Composting; Agricultural wastes; Yields; Agaricus bisporus; Volvariella diplasis

250 NAL Call No: S605.5.I45 1984
Utilization of farmyard manure and composted farmyard manure "A manuring strategy".
Ott, P.
Witzenhausen : Verlagsgruppe Witzenhausen; 1986.
The importance of biological agriculture in a world of diminishing resources : proc of the 5th IFOAM Int Scientific Conference at the Univ of Kassel (Germany), Aug 27-30. 1984 / H. Vogtmann, E. Boehncke, I. Fricke, eds. p. 61-73; 1986. Includes references.

Language: English

Descriptors: Switzerland; Zea mays; Triticum; Spring wheat; Rotations; Manures; Composts; Organic farming; Agronomic characteristics; Organic matter in soil; Leaching; Nitrates; Crop yield; Yield response functions

251 NAL Call No: QR1.S64
Utilization of lignocellulosic wastes.
Lynch, J.M.
Oxford : Blackwell Scientific Publications; 1987.
Symposium series - Society for Applied Bacteriology (16): p. 71S-83S. ill; 1987. Includes references.

Language: English

Descriptors: Lignocellulose; Waste utilization; Waste treatment; Fermentation; Straw; Wood; Composting

252 NAL Call No: 26 L53
Vermicomposting and biological N fixation.
Mba, C.C.
Leipzig, East Ger. : Karl-Marx-Universitat; 1986.
Beitrage zur tropischen Landwirtschaft und Veterinarmedizin v. 24 (3): p. 289-293; 1986. Includes references. IMAGermanussian:panish.2

Descriptors: Nigeria; Composting; Oligochaeta; Nitrogen fixation; Soil bacteria; Soil enzymes; Worm casts; Paspalum dilatatum; Chemical constituents of plants

253 NAL Call No: QH84.8.I57 1985
Vermicomposting and biological N-fixation.
Mba, C.C.
Budapest : Akademiai Kiado; 1987.
Proceedings of the 9th International Symposium on Soil Biology and Conservation of the Biosphere / edited by J. Szegi. p. 547-552; 1987. Includes references.

Language: English

Descriptors: Nigeria; Composting; Nitrogen fixation; Oligochaeta; Soil fauna; Decomposition; Paspalum dilatatum; Plant composition; Pot experimentation; Soil enzymes; Soil fertility; Worm casts

254 NAL Call No: 57.8 C734
Vermicomposting in a rural community.
Harris, G.D.; Platt, W.L.; Price, B.C.
Emmaus, Pa. : J.G. Press; 1990 Jan.
BioCycle v. 31 (1): p. 48-51. ill; 1990 Jan.

Language: English

Descriptors: California; Composting; Oligochaeta; Sludges; Waste water treatment; Heavy metals; Waste utilization

255 NAL Call No: SF597.E3E2
The vermicomposting of cow slurry.
Hand, P.; Hayes, W.A.; Satchell, J.E.; Frankland, J.C.
The Hague : SPB Academic Publishing; 1988.
Earthworms in waste and environmental management / edited by Clive A. Edwards and Edward F. Neuhauser. p. 49-63; 1988. Includes references.

Language: English

Descriptors: Oligochaeta; Soil biology; Feedlot effluent; Cattle slurry; Peat; Paper meal; Laboratory techniques; Acinetobacter; Composting

256 NAL Call No: 56.8 P343
Vermicomposting of cow slurry.
Hand, P.; Hayes, W.A.; Frankland, J.C.; Satchell, J.E.
Jena, E. Ger. : Gustav Fischer; 1988.
Pedobiologia v. 31 (3/4): p. 199-209; 1988. Includes references.

Language: English

Descriptors: Cattle slurry; Composting; Oligochaeta; Decomposition; Nitrogen mineralization; Feeding behavior; Soil fauna

257 NAL Call No: TD930.A32
The vermicomposting of pre-treated pig manure.
Chan, P.L.S.; Griffiths, D.A.
London : Elsevier Applied Science Publishers; 1988.
Biological wastes v. 24 (1): p. 57-69; 1988. Includes references.

Language: English

Descriptors: Hong kong; Pig slurry; Waste treatment; Composting; Oligochaeta; Biodegradation; Decomposition; Organic fertilizers; Feces as feed; Fish feeding

258 NAL Call No: 57.8 C734
Vermicomposts as components of potting media.
Handreck, K.A.
Emmaus, Pa. : J.G. Press; 1986 Oct.
BioCycle v. 27 (9): p. 58-62. ill; 1986 Oct. Includes references.

Language: English

Descriptors: Victoria; New south wales; Oligochaeta; Composts; Growing media; Nutrient contents; Matthiola incana; Growth

259 NAL Call No: 57.8 C734
Water hyacinths--not just a pretty plant.
Emmaus, Pa. : J.G. Press; 1986 Jul.
BioCycle v. 27 (6): p. 40-42. ill; 1986 Jul.

Language: English

Descriptors: Florida; Texas; Eichhornia crassipes; Waste waters; Purification; Filtration; Composts; Oligochaeta; Harvesting

260 NAL Call No: SB611.5.W43
Weed control in organic farming systems.
Patriquin, D.G.
Boca Raton, Fla. : CRC Press; 1988.
Weed management in agroecosystems : ecological approaches / editors, Miguel A. Altieri, Matt Liebman. p. 303-317; 1988. Literature review. Includes references.

Language: English

Descriptors: Weed control; Organic farming; Weed utilization; Control methods; Tillage; Timing; Sowing rates; Cultivars; Cropping systems; Mulching; Composting; Soil fertility

261 NAL Call No: 80 AC82
Woodwaste composts as growing media for vegetables under protection.
Pudelski, T.
Wageningen : International Society for Horticultural Science; 1985 Jun.
Acta horticulturae (172): p. 67-74; 1985 Jun. Presented at the International Symposium on the use of Composts as Horticultural Substrates, Ghent/Melle, Belgium, August 27-31, 1984. Includes references.

Language: English

Descriptors: Poland; Composts; Waste wood; Growing media; Greenhouse crops; Waste utilization

262 NAL Call No: 57.8 C734
Yard debris compost testing.
Gurkewitz, S.
Emmaus, Pa. : J.G. Press; 1989 Jun.
BioCycle v. 30 (6): p. 58-60; 1989 Jun.

Language: English

Descriptors: Oregon; Composts; Product quality; Quality standards; Testing; Chemical composition;

Plant residues; Recycling; Waste utilization

263 NAL Call No: S601.A34

Yield and metal uptake of Cynodon dactylon (Bermuda grass) grown on refuse-compost-amended soil.

Wong, M.H.; Chu, L.M.

Amsterdam : Elsevier; 1985 Nov.

Agriculture ecosystems & environment v. 14 (1/2): p. 41-52; 1985 Nov. Includes references.

Language: English

Descriptors: Hong kong; Cynodon dactylon; Refuse compost; Yields; Heavy metals; Plant analysis; Uptake; Trace elements

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